

# APPENDIX D: SPECIES LISTS

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## APPENDIX D1: REACH 1 ENDANGERED, THREATENED, AND RARE PLANT SPECIES LIST

### INDIANA COUNTY ENDANGERED, THREATENED AND RARE SPECIES LIST FOR REACH 1 LAPORTE COUNTY (CRESCENT DUNE TO LAKEFRONT DRIVE EAST/CENTRAL BEACH)

Species Name	Common Name	Federal	State	INDU Locations/ Notes
<b>Vascular Plants</b>				
<i>Arctostaphylos uva-ursi</i>	bearberry, bearberry manzanita, kinnikinnick, mealberry		SR	Foredune complex, dune complex
<i>Minuartia michauxii</i> var. <i>michauxii</i>			SR	Prairie-dry, foredune complex
<i>Aristida longespica</i> var. <i>geniculata</i>			SR	
<i>Aristida tuberculosa</i>	seaside threeawn		SR	
<i>Symphyotrichum sericeum</i>	western silver aster		SR	
<i>Cornus rugosa</i>	round-leaf dogwood, roundleaf dogwood		SR	
<i>Corydalis sempervirens</i>	rock harlequin		ST	
<i>Diervilla lonicera</i>	northern bush honeysuckle, northern bush-honeysuckle		SR	
<i>Drosera intermedia</i>	spoonleaf sundew		SR	
<i>Eleocharis melanocarpa</i>	blackfruit spikerush		ST	
<i>Epigaea repens</i>	trailing arbutus		WL	
<i>Equisetum variegatum</i>	variegated horsetail, variegated scouring-rush, variegated scouringrush		SE	
<i>Juncus balticus</i> var. <i>littoralis</i>	Baltic rush		SR	
<i>Juncus pelocarpus</i>	brownfruit rush		SE	
<i>Juncus scirpoides</i>	needlepod rush		ST	
<i>Juniperus communis</i> var. <i>depressa</i>	common juniper		SR	Dune complex, foredune complex
<i>Lathyrus japonicus</i> var. <i>maritimus</i>	beach pea		SE	Foredune complex
<i>Linum striatum</i>	ridged yellow flax, rigid flax		WL	
<i>Lycopodiella inundata</i>	inundated clubmoss		SE	

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Species Name	Common Name	Federal	State	INDU Locations/ Notes
<i>Myriophyllum pinnatum</i>	cut-leaf water-milfoil, cutleaf watermilfoil, green parrotfeather		SE	
<i>Najas gracillima</i>	slender waternymph		ST	
<i>Oenothera perennis</i>	little evening-primrose		SR	
<i>Oryzopsis asperifolia</i>	roughleaf ricegrass, white-grain mountain- rice grass		SE	
<i>Piptatherum pungens</i>	mountain ricegrass		SX	
<i>Pinus banksiana</i>	black pine, gray pine, hudson bay pine, jack pine, scrub pine		SR	Dune complex, foredune complex
<i>Pinus strobus</i>	eastern white pine, eastern white pine, northern white pine, soft pine, weymouth pine, white pine		SR	
<i>Platanthera hyperborea</i>	northern bogorchid, northern green orchid		ST	
<i>Polygonella articulata</i>	coastal jointweed		SR	Dune complex, foredune complex
<i>Polygonum careyi</i>	Carey's smartweed, Carey's smartweed, renouée de Carey		ST	
<i>Potamogeton friesii</i>	flat-stalk pondweed, Fries' pondweed		ST	
<i>Potamogeton praelongus</i>	white-stem pondweed, whitestem pondweed		ST	
<i>Potamogeton pulcher</i>	heartleaf pondweed, spotted pondweed		SE	
<i>Potamogeton pusillus</i>	baby pondweed, small pondweed		WL	
<i>Potamogeton robbinsii</i>	Robbins pondweed, Robbins' pondweed		SR	
<i>Potamogeton strictifolius</i>	narrowleaf pondweed, straight-leaf pondweed		ST	
<i>Argentina anserina</i>	silverweed cinquefoil		ST	Foredune complex
<i>Prunus pensylvanica</i>	fire cherry, pin cherry		SR	
<i>Rhynchospora scirpoides</i>	longbeak beaksedge		ST	
<i>Pyrola americana</i>	American wintergreen		SR	
<i>Clinopodium arkansanum</i>	limestone calamint		SE	

Appendix D1: Reach 1 Endangered, Threatened,  
and Rare Plant Species List

Species Name	Common Name	Federal	State	INDU Locations/ Notes
<i>Sisyrinchium montanum</i>	mountain blue-eyed grass, mountain blue-eyed grass, strict blue-eyed grass, strict blue-eyed-grass		SE	
<i>Solidago simplex</i> var. <i>gillmanii</i>	Deam's goldenrod, Rand's goldenrod		ST	Foredune complex, blowouts/open dunes
<i>Sparganium androcladum</i>	branched bur-reed, branched burreed, branching bur-reed		ST	
<i>Triantha glutinosa</i>	sticky tofieldia		SR	
<i>Utricularia subulata</i>	zigzag bladderwort		ST	

SOURCE: IDNR (2011); Wilhelm (1990)

Notes:

- SX = state extirpated
- SE = state endangered
- ST = state threatened
- SR = state rare
- SRE = reintroduced
- WL = watch list



## APPENDIX D2: REACH 2 ENDANGERED, THREATENED, AND RARE PLANT SPECIES LIST

### INDIANA COUNTY ENDANGERED, THREATENED AND RARE SPECIES LIST FOR REACH 2 PORTER COUNTY (BEVERLY SHORES TO INDIANA DUNES SP)

Species Name	Common Name	Federal	State	INDU Locations/Notes
<b>Vascular Plant</b>				
<i>Arctostaphylos uva-ursi</i>	bearberry, bearberry manzanita, kinnikinnick, mealberry		SR	
<i>Minuartia michauxii</i> var. <i>michauxii</i>	Michaux's stitchwort		SR	Prairie-dry, foredune complex
<i>Aristida longespica</i> var. <i>geniculata</i>			SR	
<i>Aristida tuberculosa</i>	seaside threeawn		SR	
<i>Symphyotrichum sericeum</i>	western silver aster		SR	
<i>Carex aurea</i>	golden sedge, golden-fruit sedge		SR	
<i>Carex eburnea</i>	bristle-leaf sedge, bristleleaf sedge		SR	
<i>Carex garberi</i>	elk sedge, Garber's sedge		ST	
<i>Chimaphila umbellata</i> ssp. <i>cisatlantica</i>	pipsissewa		ST	
<i>Cirsium pitcheri</i>	Pitcher's thistle, sand dune thistle	LT	ST	Foredune complex, confined to blowouts
<i>Cornus rugosa</i>	round-leaf dogwood, roundleaf dogwood		SR	
<i>Cyperus houghtonii</i>	Houghton's flatsedge		SE	
<i>Dichanthelium portoricense</i>	Hemlock Witchgrass		SR	
<i>Diervilla lonicera</i>	northern bush honeysuckle, northern bush-honeysuckle		SR	
<i>Drosera intermedia</i>	spoonleaf sundew		SR	
<i>Eleocharis melanocarpa</i>	blackfruit spikerush		ST	
<i>Epigaea repens</i>	trailing arbutus		WL	
<i>Chamaesyce polygonifolia</i>	chamésyce à feuilles de renouée, seaside sandmat, seaside spurge		SR	Foredune complex
<i>Fuirena pumila</i>	dwarf umbrella-sedge, dwarf umbrellasedge		ST	
<i>Geranium bicknellii</i>	Bicknell's cranesbill, northern crane's-bill		SE	

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Species Name	Common Name	Federal	State	INDU Locations/Notes
<i>Lipocarpa micrantha</i>	dwarf bulrush, lipocarphe à petites fleurs, small-flower halfchaff sedge, smallflower halfchaff sedge, smallflower hemicarpha		SE	
<i>Hudsonia tomentosa</i>	hudsonie tomenteuse, sand golden-heather, sand-heather, woolly beachheather		ST	
<i>Juncus balticus</i> var. <i>littoralis</i>	Baltic rush		SR	
<i>Juncus pelocarpus</i>	brownfruit rush		SE	
<i>Juncus scirpoides</i>	needlepod rush		ST	
<i>Juniperus communis</i> var. <i>depressa</i>	common juniper		SR	Dune complex, foredune complex
<i>Lathyrus japonicus</i> var. <i>maritimus</i>	beach pea		SE	
<i>Linum striatum</i>	ridged yellow flax, rigid flax		WL	
<i>Ludwigia sphaerocarpa</i>	globefruit primrose-willow, globefruit primrosewillow		SE	
<i>Lycopodiella inundata</i>	inundated clubmoss		SE	
<i>Myriophyllum pinnatum</i>	cut-leaf water-milfoil, cutleaf watermilfoil, green parrotfeather		SE	
<i>Myriophyllum verticillatum</i>	whorl-leaf watermilfoil, whorled water-milfoil, whorleaf milfoil, whorleaf watermilfoil		SR	
<i>Najas gracillima</i>	slender waternymph		ST	
<i>Orobanche fasciculata</i>	clustered broom-rape, clustered broomrape, purple broomrape, tufted broomrape		SE	
<i>Oryzopsis asperifolia</i>	roughleaf ricegrass, white-grain mountain-rice grass		SE	
<i>Piptatherum pungens</i>	mountain ricegrass		SX	
<i>Piptatherum racemosum</i>			SR	
<i>Pinus banksiana</i>	black pine, gray pine, hudson bay pine, jack pine, scrub pine		SR	Dune complex, foredune complex
<i>Pinus strobus</i>	eastern white pine, eastern white pine, northern white pine, soft pine, weymouth pine, white pine		SR	

Appendix D2: Reach 2 Endangered, Threatened,  
and Rare Plant Species List

Species Name	Common Name	Federal	State	INDU Locations/Notes
<i>Platanthera hyperborea</i>	northern bogorchid, northern green orchid		ST	
<i>Polygala paucifolia</i>	gaywings		SE	
<i>Polygonella articulata</i>	coastal jointweed		SR	Dune complex, foredune complex
<i>Polygonum careyi</i>	Carey's smartweed, Carey's smartweed, renouée de Carey		ST	
<i>Polygonum hydropiperoides</i>	swamp smartweed		ST	
<i>Potamogeton pulcher</i>	heartleaf pondweed, spotted pondweed		SE	
<i>Potamogeton pusillus</i>	baby pondweed, small pondweed		WL	
<i>Potamogeton richardsonii</i>	red-head pondweed, Richardson pondweed, Richardson's pondweed		SR	
<i>Potamogeton strictifolius</i>	narrowleaf pondweed, straight-leaf pondweed		ST	
<i>Argentina anserina</i>	silverweed cinquefoil		ST	Foredune complex
<i>Prunus pensylvanica</i>	fire cherry, pin cherry		SR	
<i>Rhynchospora scirpoides</i>	longbeak beaksedge		ST	
<i>Pyrola americana</i>	American wintergreen		SR	
<i>Rhus aromatica</i> var. <i>arenaria</i>	fragrant sumac		SR	
<i>Rhynchospora macrostachya</i>	tall horned beaksedge		SR	
<i>Salix cordata</i>	heartleaf willow		ST	Foredune complex
<i>Schoenoplectus hallii</i>	Hall's bulrush		SE	
<i>Scirpus purshianus</i> var. <i>purshianus</i>	weakstalk bulrush		SR	
<i>Selaginella rupestris</i>	ledge spike-moss, northern selaginella, rock spikemoss		ST	
<i>Sisyrinchium montanum</i>	mountain blue-eyed grass, mountain blueeyed grass, strict blue-eyed grass, strict blue-eyed-grass		SE	
<i>Solidago ptarmicoides</i>	prairie goldenrod, upland white aster, verge-d'or faux-ptarmica, white flat-top goldenrod		SR	
<i>Solidago simplex</i> var. <i>gillmanii</i>	Deam's goldenrod, Rand's goldenrod		ST	Foredune complex, blowouts/ open dunes
<i>Sparganium androcladum</i>	branched bur-reed, branched burreed, branching bur-reed		ST	

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Species Name	Common Name	Federal	State	INDU Locations/Notes
<i>Spiranthes magnicamporum</i>	Great Plains ladies'-tresses, Great Plains ladiestresses		SE	
<i>Talinum rugospermum</i>	prairie fameflower		ST	
<i>Utricularia cornuta</i>	horned bladderwort		ST	
<i>Utricularia subulata</i>	zigzag bladderwort		ST	
<i>Zannichellia palustris</i>	horned pondweed, horned poolmat, horned- pondweed		SR	

SOURCE: IDNR (2011); Wilhelm (1990)

Notes:

- LT = federally listed threatened
- SX = state extirpated
- SE = state endangered
- ST = state threatened
- SR = state rare
- SRE = reintroduced
- WL = watch list

## APPENDIX D3: REACH 3 ENDANGERED, THREATENED, AND RARE PLANT SPECIES LIST

### INDIANA COUNTY ENDANGERED, THREATENED AND RARE SPECIES LIST FOR REACH 3 PORTER COUNTY (DUNES ACRES/BAILLY TO PORTAGE LAKEFRONT PARK/OGDEN DUNES)

Species Name	Common Name	Federal	State	INDU Locations
<b>Vascular Plants</b>				
<i>Arctostaphylos uva-ursi</i>	bearberry, bearberry manzanita, kinnikinnick, mealberry		SR	Portage Lakefront Park, located along Burns Ditch. Population in decline
<i>Minuartia michauxii</i> var. <i>michauxii</i>	Michaux's stitchwort		SR	Prairie-dry, foredune complex
<i>Aristida longespica</i> var. <i>geniculata</i>			SR	
<i>Aristida tuberculosa</i>	seaside threeawn		SR	
<i>Symphotrichum sericeum</i>	western silver aster		SR	
<i>Carex aurea</i>	golden sedge, golden-fruit sedge		SR	
<i>Carex eburnea</i>	bristle-leaf sedge, bristleleaf sedge		SR	
<i>Carex garberi</i>	elk sedge, Garber's sedge		ST	
<i>Chimaphila umbellata</i> ssp. <i>cisatlantica</i>	pipsissewa		ST	
<i>Cirsium pitcheri</i>	Pitcher's thistle, sand dune thistle	LT	ST	Confined to blowout at Bailly
<i>Cornus rugosa</i>	round-leaf dogwood, roundleaf dogwood		SR	
<i>Cyperus houghtonii</i>	Houghton's flatsedge		SE	
<i>Dichanthelium portoricense</i>	Hemlock Witchgrass		SR	
<i>Diervilla lonicera</i>	northern bush honeysuckle, northern bush-honeysuckle		SR	
<i>Drosera intermedia</i>	spoonleaf sundew		SR	
<i>Eleocharis melanocarpa</i>	blackfruit spikerush		ST	
<i>Epigaea repens</i>	trailing arbutus		WL	
<i>Chamaesyce polygonifolia</i>	chamésyce à feuilles de renouée, seaside sandmat, seaside spurge		SR	Foredune complex
<i>Fuirena pumila</i>	dwarf umbrella-sedge, dwarf umbrellasedge		ST	
<i>Geranium bicknellii</i>	Bicknell's cranesbill, northern crane's-bill		SE	

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Species Name	Common Name	Federal	State	INDU Locations
<i>Lipocarpa micrantha</i>	dwarf bulrush, lipocarphe à petites fleurs, small-flower halfchaff sedge, smallflower halfchaff sedge, smallflower hemicarpha		SE	
<i>Hudsonia tomentosa</i>	hudsonie tomenteuse, sand golden-heather, sand-heather, woolly beachheather		ST	
<i>Juncus balticus</i> var. <i>littoralis</i>	Baltic rush		SR	
<i>Juncus pelocarpus</i>	brownfruit rush		SE	
<i>Juncus scirpoides</i>	needlepod rush		ST	
<i>Juniperus communis</i> var. <i>depressa</i>	common juniper		SR	Dune complex, foredune complex
<i>Lathyrus japonicus</i> var. <i>maritimus</i>	beach pea		SE	
<i>Linum striatum</i>	ridged yellow flax, rigid flax		WL	
<i>Ludwigia sphaerocarpa</i>	globefruit primrose-willow, globefruit primrosewillow		SE	
<i>Lycopodiella inundata</i>	inundated clubmoss		SE	
<i>Myriophyllum pinnatum</i>	cut-leaf water-milfoil, cutleaf watermilfoil, green parrotfeather		SE	
<i>Myriophyllum verticillatum</i>	whorl-leaf watermilfoil, whorled water-milfoil, whorleaf milfoil, whorleaf watermilfoil		SR	
<i>Najas gracillima</i>	slender waternymph		ST	
<i>Orobanche fasciculata</i>	clustered broom-rape, clustered broomrape, purple broomrape, tufted broomrape		SE	
<i>Oryzopsis asperifolia</i>	roughleaf ricegrass, white-grain mountain-rice grass		SE	
<i>Piptatherum pungens</i>	mountain ricegrass		SX	
<i>Piptatherum racemosum</i>			SR	Unique to West Beach
<i>Pinus banksiana</i>	black pine, gray pine, hudson bay pine, jack pine, scrub pine		SR	Dune complex, foredune complex
<i>Pinus strobus</i>	eastern white pine, eastern white pine, northern white pine, soft pine, weymouth pine, white pine		SR	

Appendix D3: Reach 3 Endangered, Threatened,  
and Rare Plant Species List

Species Name	Common Name	Federal	State	INDU Locations
<i>Platanthera hyperborea</i>	northern bogorchid, northern green orchid		ST	
<i>Polygala paucifolia</i>	gaywings		SE	
<i>Polygonella articulata</i>	coastal jointweed		SR	Dune complex, foredune complex
<i>Polygonum careyi</i>	Carey's smartweed, Carey's smartweed, renouée de Carey		ST	
<i>Polygonum hydropiperoides</i>	swamp smartweed		ST	
<i>Potamogeton pulcher</i>	heartleaf pondweed, spotted pondweed		SE	
<i>Potamogeton pusillus</i>	baby pondweed, small pondweed		WL	
<i>Potamogeton richardsonii</i>	red-head pondweed, Richardson pondweed, Richardson's pondweed		SR	
<i>Potamogeton strictifolius</i>	narrowleaf pondweed, straight-leaf pondweed		ST	
<i>Argentina anserina</i>	silverweed cinquefoil		ST	Foredune complex
<i>Prunus pensylvanica</i>	fire cherry, pin cherry		SR	
<i>Rhynchospora scirpoides</i>	longbeak beaksedge		ST	
<i>Pyrola americana</i>	American wintergreen		SR	
<i>Rhus aromatica</i> var. <i>arenaria</i>	fragrant sumac		SR	
<i>Rhynchospora macrostachya</i>	tall horned beaksedge		SR	
<i>Salix cordata</i>	heartleaf willow		ST	Foredune complex
<i>Schoenoplectus hallii</i>	Hall's bulrush		SE	
<i>Scirpus purshianus</i> var. <i>purshianus</i>	weakstalk bulrush		SR	
<i>Selaginella rupestris</i>	ledge spike-moss, northern selaginella, rock spikemoss		ST	
<i>Sisyrinchium montanum</i>	mountain blue-eyed grass, mountain blueeyed grass, strict blue-eyed grass, strict blue-eyed-grass		SE	
<i>Solidago ptarmicoides</i>	prairie goldenrod, upland white aster, verge-d'or faux-ptarmica, white flat- top goldenrod		SR	
<i>Solidago simplex</i> var. <i>gillmanii</i>	Deam's goldenrod, Rand's goldenrod		ST	Foredune complex, blowouts/open dunes, Portage Lakefront Park population
<i>Sparganium androcladum</i>	branched bur-reed, branched burreed, branching bur-reed		ST	

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Species Name	Common Name	Federal	State	INDU Locations
<i>Spiranthes magnicamporum</i>	Great Plains ladies'-tresses, Great Plains ladiestresses		SE	
<i>Talinum rugospermum</i>	prairie fameflower		ST	
<i>Utricularia cornuta</i>	horned bladderwort		ST	
<i>Utricularia subulata</i>	zigzag bladderwort		ST	
<i>Zannichellia palustris</i>	horned pondweed, horned poolmat, horned- pondweed		SR	
<i>Selaginella apoda</i>	meadow spike-moss, meadow spikemoss, sélaginelle apode		WL	
<i>Shepherdia canadensis</i>	russet buffalo-berry, russet buffaloberry		SX	
<i>Triantha glutinosa</i>	sticky tofieldia		SR	

SOURCE: IDNR (2011); Wilhelm (1990)

Notes:

- LT = federally listed threatened
- SX = state extirpated
- SE = state endangered
- ST = state threatened
- SR = state rare
- SRE = reintroduced
- WL = watch list

## APPENDIX D4: REACH 4 ENDANGERED, THREATENED, AND RARE PLANT SPECIES LIST

### INDIANA COUNTY ENDANGERED, THREATENED AND RARE SPECIES LIST FOR REACH 4 PORTER AND LAKE COUNTIES (WEST BEACH TO MILLER UNIT)

Species Name	Common Name	Federal	State	INDU locations/Notes
<b>Vascular Plants</b>				
<i>Agalinis skinneriana</i>	Skinner's false foxglove		ST	
<i>Arctostaphylos uva-ursi</i>	bearberry, bearberry manzanita, kinnikinnick, mealberry		SR	
<i>Minuartia michauxii</i> var. <i>michauxii</i>	Michaux's stitchwort		SR	Prairie-dry, foredune complex
<i>Aristida longespica</i> var. <i>geniculata</i>			SR	
<i>Aristida tuberculosa</i>	seaside threeawn		SR	
<i>Symphyotrichum sericeum</i>	western silver aster		SR	
<i>Carex aurea</i>	golden sedge, golden-fruit sedge		SR	Unique to Miller unit
<i>Carex crawei</i>	crawe sedge, Crawe's sedge		ST	
<i>Carex eburnea</i>	bristle-leaf sedge, bristleleaf sedge		SR	Unique to West Beach
<i>Carex garberi</i>	elk sedge, Garber's sedge		ST	
<i>Ceanothus herbaceus</i>	céanothe à feuilles étroites, inland ceanothus, Jersey tea, prairie redroot		SE	
<i>Chimaphila umbellata</i> ssp. <i>cisatlantica</i>	pipsissewa		ST	Extremely rare at West Beach
<i>Cirsium pitcheri</i>	Pitcher's thistle, sand dune thistle	LT	ST	Foredune complex, confined to blowouts
<i>Cornus rugosa</i>	round-leaf dogwood, roundleaf dogwood		SR	
<i>Corydalis sempervirens</i>	rock harlequin		ST	
<i>Cyperus houghtonii</i>	Houghton's flatsedge		SE	
<i>Dichanthelium portoricense</i>	Hemlock Witchgrass		SR	
<i>Diervilla lonicera</i>	northern bush honeysuckle, northern bush-honeysuckle		SR	
<i>Drosera intermedia</i>	spoonleaf sundew		SR	
<i>Eleocharis microcarpa</i>	smallfruit spikerush			Unique to West Beach
<i>Eleocharis melanocarpa</i>	blackfruit spikerush		ST	Unique to West Beach
<i>Epigaea repens</i>	trailing arbutus		WL	

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Species Name	Common Name	Federal	State	INDU locations/Notes
<i>Equisetum variegatum</i>	variegated horsetail, variegated scouring-rush, variegated scouringrush		SE	Unique to Miller unit
<i>Chamaesyce polygonifolia</i>	chamésyce à feuilles de renouée, seaside sandmat, seaside spurge		SR	Foredune complex, declining in beach area throughout
<i>Fuirena pumila</i>	dwarf umbrella-sedge, dwarf umbrellasedge		ST	
<i>Geranium bicknellii</i>	Bicknell's cranesbill, northern crane's-bill		SE	
<i>Glyceria borealis</i>	northern mannagrass, small floating manna grass, small floating mannagrass		SE	
<i>Lipocarpus micrantha</i>	dwarf bulrush, lipocarphe à petites fleurs, small-flower halfchaff sedge, smallflower halfchaff sedge, smallflower hemicarpha		SE	
<i>Hudsonia tomentosa</i>	hudsonie tomenteuse, sand golden-heather, sand- heather, woolly beachheather		ST	
<i>Juncus balticus</i> var. <i>littoralis</i>	Baltic rush		SR	
<i>Juncus pelocarpus</i>	brownfruit rush		SE	
<i>Juncus scirpoides</i>	needlepod rush		ST	
<i>Juniperus communis</i> var. <i>depressa</i>	common juniper		SR	Dune complex, foredune complex
<i>Lathyrus japonicus</i> var. <i>maritimus</i>	beach pea		SE	
<i>Linum striatum</i>	ridged yellow flax, rigid flax		WL	
<i>Ludwigia sphaerocarpa</i>	globefruit primrose-willow, globefruit primrosewillow		SE	
<i>Lycopodiella inundata</i>	inundated clubmoss		SE	
<i>Myriophyllum pinnatum</i>	cut-leaf water-milfoil, cutleaf watermilfoil, green parrotfeather		SE	
<i>Myriophyllum verticillatum</i>	whorl-leaf watermilfoil, whorled water-milfoil, whorlleaf milfoil, whorlleaf watermilfoil		SR	Unique to Miller unit
<i>Najas gracillima</i>	slender waternymph		ST	
<i>Oenothera perennis</i>	little evening-primrose		SR	
<i>Orobanche fasciculata</i>	clustered broom-rape, clustered broomrape, purple broomrape, tufted broomrape		SE	

Appendix D4: Reach 4 Endangered, Threatened,  
and Rare Plant Species List

Species Name	Common Name	Federal	State	INDU locations/Notes
<i>Oryzopsis asperifolia</i>	roughleaf ricegrass, white-grain mountain-rice grass		SE	
<i>Piptatherum pungens</i>	mountain ricegrass		SX	
<i>Piptatherum racemosum</i>			SR	Unique to West Beach
<i>Pinus banksiana</i>	black pine, gray pine, hudson bay pine, jack pine, scrub pine		SR	Foredune complex, located around pannes
<i>Pinus strobus</i>	eastern white pine, eastern white pine, northern white pine, soft pine, weymouth pine, white pine		SR	
<i>Platanthera hyperborea</i>	northern bogorchid, northern green orchid		ST	
<i>Platanthera lacera</i>	green fringed orchid		WL	
<i>Polygala paucifolia</i>	gaywings		SE	
<i>Polygonella articulata</i>	coastal jointweed		SR	Dune complex, foredune complex
<i>Polygonum careyi</i>	Carey's smartweed, Carey's smartweed, renouée de Carey		ST	
<i>Polygonum hydropiperoides</i>	swamp smartweed		ST	
<i>Potamogeton pulcher</i>	heartleaf pondweed, spotted pondweed		SE	Unique to Miller unit
<i>Potamogeton pusillus</i>	baby pondweed, small pondweed		WL	
<i>Potamogeton richardsonii</i>	red-head pondweed, Richardson pondweed, Richardson's pondweed		SR	
<i>Potamogeton robbinsii</i>	Robbins pondweed, Robbins' pondweed		SR	
<i>Potamogeton strictifolius</i>	narrowleaf pondweed, straight-leaf pondweed		ST	
<i>Argentina anserina</i>	silverweed cinquefoil		ST	Foredune complex
<i>Dasiphora floribunda</i>	shrubby cinquefoil			Unique to Miller unit (pannes)
<i>Prunus pensylvanica</i>	fire cherry, pin cherry		SR	
<i>Rhynchospora scirpoides</i>	longbeak beaksedge		ST	
<i>Pyrola americana</i>	American wintergreen		SR	
<i>Rhus aromatica</i> var. <i>arenaria</i>	fragrant sumac		SR	
<i>Rhynchospora macrostachya</i>	tall horned beaksedge		SR	
<i>Rubus flagellaris</i>	northern dewberry, whiplash dewberry		SE	
<i>Salix cordata</i>	heartleaf willow		ST	Foredune complex

## APPENDIXES

Species Name	Common Name	Federal	State	INDU locations/Notes
<i>Clinopodium arkansanum</i>	limestone calamint		SE	
<i>Schoenoplectus hallii</i>	Hall's bulrush		SE	
<i>Scirpus purshianus</i> var. <i>purshianus</i>	weakstalk bulrush		SR	
<i>Selaginella apoda</i>	meadow spike-moss, meadow spikemoss, sélaginelle apode		WL	
<i>Selaginella rupestris</i>	ledge spike-moss, northern selaginella, rock spikemoss		ST	
<i>Shepherdia canadensis</i>	russet buffalo-berry, russet buffaloberry		SX	
<i>Sisyrinchium montanum</i>	mountain blue-eyed grass, mountain blueeyed grass, strict blue-eyed grass, strict blue-eyed-grass		SE	
<i>Solidago ptarmicoides</i>	prairie goldenrod, upland white aster, verge-d'or faux-ptarmica, white flat-top goldenrod		SR	
<i>Solidago simplex</i> var. <i>gillmanii</i>	Deam's goldenrod, Rand's goldenrod		ST	Foredune complex, blowouts/open dunes
<i>Sparganium androcladum</i>	branched bur-reed, branched burreed, branching bur-reed		ST	
<i>Spiranthes magnicamporum</i>	Great Plains ladies'-tresses, Great Plains ladiestresses		SE	
<i>Talinum rugospermum</i>	prairie fameflower		ST	
<i>Triantha glutinosa</i>	sticky tofieldia		SR	
<i>Utricularia cornuta</i>	horned bladderwort		ST	
<i>Utricularia subulata</i>	zigzag bladderwort		ST	
<i>Zannichellia palustris</i>	horned pondweed, horned poolmat, horned-pondweed		SR	

SOURCE: IDNR (2011); Wilhelm (1990)

## Notes:

- LT = federally listed threatened
- LE = federally listed endangered
- SX = state extirpated
- SE = state endangered
- ST = state threatened
- SR = state rare
- SRE = reintroduced
- WL = watch list

Species	ITIS Name	Flowering	Habitat	State Status	Federal Status	Common Name	ITIS Common Name(s)	Growth Form	Life Cycle	Family	Class	Native/ Non*
<b>Listed Endangered, Threatened and Rare</b>												
<i>Lathyrus japonicus glaber</i>	<i>Lathyrus japonicus</i> var. <i>maritimus</i>	Jul	Foredune complex	Endangered		beach pea	beach pea	Vine	Perennial	Fabaceae	Dicot	Native
<i>Arctostaphylos uva-ursi coactilis</i>	<i>Arctostaphylos uva-ursi</i>	Apr May Jun	Foredune complex, dune complex	Rare		bearberry	bearberry, bearberry manzanita, kinnikinnick, mealberry	Shrub	Perennial	Ericaceae	Dicot	Native
<i>Arenaria stricta</i>	<i>Minuartia michauxii</i> var. <i>michauxii</i>	May Jun Jul	Prairie dry, foredune complex	Rare		stiff sandwort	Michaux's stitchwort	Forb	Annual, Perennial	Caryophyllaceae	Dicot	Native
<i>Euphorbia polygonifolia</i>	<i>Chamaesyce polygonifolia</i>	Jul Aug Sep	Foredune complex	Rare		seaside spurge	chamésyce à feuilles de renouée, seaside sandmat, seaside spurge	Forb	Annual	Euphorbiaceae	Dicot	Native
<i>Juniperus communis depressa</i>	<i>Juniperus communis</i> var. <i>depressa</i>		Dune complex, foredune complex	Rare		common juniper	common juniper	Shrub	Perennial	Cupressaceae	Gymnosperm	Native
<i>Pinus banksiana</i>	<i>Pinus banksiana</i>		Dune complex, foredune complex	Rare		jack pine	black pine, gray pine, hudson bay pine, jack pine, scrub pine	Tree	Perennial	Pinaceae	Gymnosperm	Native
<i>Polygonella articulata</i>	<i>Polygonella articulata</i>	Aug Sep Oct	Dune complex, foredune complex	Rare		jointweed	coastal jointweed	Forb	Annual	Polygonaceae	Dicot	Native

Species	ITIS Name	Flowering	Habitat	State Status	Federal Status	Common Name	ITIS Common Name(s)	Growth Form	Life Cycle	Family	Class	Native/ Non*
<i>Rhus aromatica</i> <i>var arenaria</i>	<i>Rhus aromatica</i> var. <i>arenaria</i>		Foredune complex, savanna complex	Rare		fragrant sumac	fragrant sumac	Shrub	Perennial	Anacardiaceae	Dicot	Native
<i>Cirsium pitcheri</i>	<i>Cirsium pitcheri</i>	Jun Jul	Foredune complex	Threatened	Threatened	sand thistle	Pitcher's thistle, sand dune thistle	Forb	Perennial	Asteraceae	Dicot	Native
<i>Potentilla anserina</i>	<i>Argentina anserina</i>	May Jun Jul Aug Sep	Foredune complex	Threatened		silverweed	silverweed cinquefoil	Forb	Perennial	Rosaceae	Dicot	Native
<i>Salix syrticola</i> (FC) <i>indiana-Cordata</i>	<i>Salix cordata</i>	Apr May Jun Jul	Foredune complex	Threatened		dune willow	heartleaf willow	Shrub	Perennial	Salicaceae	Dicot	Native
<i>Solidago racemosa</i> <i>gillmani</i>	<i>Solidago simplex</i> var. <i>gillmanii</i>	Jul Aug Sep Oct Nov	Pannes, foredune complex	Threatened		dune goldenrod	Deam's goldenrod, Rand's goldenrod	Forb	Perennial	Asteraceae	Dicot	Native

SOURCE: IDNR (2011); Wilhelm (1990)

## APPENDIX D6: PANNE WETLAND SPECIES TABLE

INDU LIST OF PANNE WETLAND SPECIES OBSERVED IN THE EARLY 2000S IN NUTRIENT  
POOR SAND BASED WETLANDS AT WEST BEACH; OGDEN DUNES; MILLER  
APRIL 2011

Species	Integrated Taxonomic Information System (ITIS) Name	Common Name
<b>West Beach</b>		
<i>Acer rubrum</i>	<i>Acer rubrum</i>	red maple
<i>Agalinis purpurea</i>	<i>Agalinis purpurea</i>	purple false foxglove
<i>Ailanthus altissima</i>	<i>Ailanthus altissima</i>	ailanthus, copal tree, tree of heaven, tree-of-heaven
<i>Amaranthus hybridus</i>	<i>Amaranthus hybridus</i>	green pigweed, slim amaranth, smooth amaranth, smooth pigweed
<i>Ambrosia artemisiifolia</i>	<i>Ambrosia artemisiifolia</i>	annual ragweed, common ragweed, low ragweed, ragweed, Roman wormwood, short ragweed, small ragweed
<i>Amelanchier</i> sp. ( <i>A. arborea</i> / <i>A. laevis</i> )	<i>Amelanchier</i> sp. ( <i>A. arborea</i> / <i>A. laevis</i> )	serviceberry
<i>Ammophila breviligulata</i>	<i>Ammophila breviligulata</i>	American beachgrass
<i>Andropogon scoparius</i>	<i>Schizachyrium scoparium</i>	little bluestem
<i>Anemone cylindrica</i>	<i>Anemone cylindrica</i>	candle anemone, cottonweed
<i>Arabis lyrata</i>	<i>Arabis lyrata</i>	lyrate rockcress
<i>Arctostaphylos uva-ursi coactilis</i>	<i>Arctostaphylos uva-ursi</i>	bearberry, bearberry manzanita, kinnikinnick, mealberry
<i>Aristida intermedia</i>	<i>Aristida longespica</i> var. <i>geniculata</i>	slimspike threeawn
<i>Aristida purpurascens</i>	<i>Aristida purpurascens</i>	arrowfeather threeawn
<i>Aristida tuberculosa</i>	<i>Aristida tuberculosa</i>	seaside threeawn
<i>Artemisia caudata</i>	<i>Artemisia campestris</i> ssp. <i>caudata</i>	field sagewort, field wormwood, Pacific wormwood
<i>Asclepias incarnata</i>	<i>Asclepias incarnata</i>	rose milkweed, swamp milkweed
<i>Asclepias syriaca</i>	<i>Asclepias syriaca</i>	broadleaf milkweed, common milkweed
<i>Asclepias verticillata</i>	<i>Asclepias verticillata</i>	eastern whorled milkweed, whorled milkweed
<i>Aster dumosus</i>	<i>Symphotrichum dumosum</i>	rice button aster
<i>Aster lateriflorus</i>	<i>Symphotrichum lateriflorum</i>	calico aster
<i>Aster novae-angliae</i>	<i>Symphotrichum novae-angliae</i>	New England aster
<i>Aster ptarmicoides</i> ( <i>Solidago ptarmicoides</i> )	<i>Solidago ptarmicoides</i>	prairie goldenrod, upland white aster, verge-d'or or faux-ptarmica, white flat-top goldenrod
<i>Aster simplex</i>	<i>Symphotrichum lanceolatum</i>	white panicle aster
<i>Berberis thunbergii</i>	<i>Berberis thunbergii</i>	Japanese barberry
<i>Bidens</i> spp.	<i>Bidens</i> spp.	beggartick, beggarticks, devil's sticktight, Spanish needles
<i>Cakile edentula</i>	<i>Cakile edentula</i>	American searocket
<i>Calamagrostis canadensis</i>	<i>Calamagrostis canadensis</i>	bluejoint, bluejoint reedgrass
<i>Calamovilfa longifolia</i>	<i>Calamovilfa longifolia</i> var. <i>magna</i>	prairie sandreed

## APPENDIXES

Species	Integrated Taxonomic Information System (ITIS) Name	Common Name
<i>Campylium</i> sp. (moss)	<i>Campylium</i> sp.	campylium moss
<i>Carex garberi</i>	<i>Carex garberi</i>	elk sedge, Garber's sedge
<i>Carex viridula</i>	<i>Carex viridula</i>	green sedge, little green sedge
<i>Celastrus orbiculatus</i>	<i>Celastrus orbiculatus</i>	Asian bittersweet, Asiatic bittersweet, oriental bittersweet, tsuru-ume-mo-doki
<i>Cephalanthus occidentalis</i>	<i>Cephalanthus occidentalis</i>	buttonbush, common buttonbush
<i>Chara</i> spp.	<i>Chara</i> spp.	muskgrass, stonewort, muskwort
<i>Cirsium arvense</i>	<i>Cirsium arvense</i>	Californian thistle, Canada thistle, Canadian thistle, creeping thistle, field thistle
<i>Cladium mariscoides</i>	<i>Cladium mariscoides</i>	smooth sawgrass
<i>Corispermum hyssopifolium</i>	<i>Corispermum americanum</i>	American bugseed
<i>Cornus obliqua</i>	<i>Cornus obliqua</i>	silky dogwood
<i>Cornus stolonifera</i>	<i>Cornus sericea</i>	redosier, redosier dogwood
<i>Cotoneaster</i> sp. ( <i>C. acutifolia</i> ?)	<i>Cotoneaster</i> sp. ( <i>C. acutifolius</i> ?)	cononeaster (Peking cotoneaster?)
<i>Cycloloma atriplicifolium</i>	<i>Cycloloma atriplicifolium</i>	tumble ringwing, winged pigweed, winged-pigweed
<i>Cyperus erythrorhizos</i>	<i>Cyperus erythrorhizos</i>	red-root flat sedge, redroot flatsedge, redroot nutgrass
<i>Cyperus ferruginescens</i>	<i>Cyperus odoratus</i>	fragrant flatsedge, rusty flat sedge
<i>Cyperus rivularis</i>	<i>Cyperus bipartitus</i>	brook flatsedge, shining flat sedge, slender flatsedge
<i>Cyperus strigosus</i>	<i>Cyperus strigosus</i>	stawcolored flatsedge, strawcolor flatsedge, strawcolor nutgrass, strawcolored flatsedge, strawcolored nutgrass
<i>Daucus carota</i>	<i>Daucus carota</i>	bird's nest, Queen Anne's lace, wild carrot
<i>Dryopteris thelypteris</i> / <i>T. palustris</i>	<i>Thelypteris palustris</i> var. <i>pubescens</i>	eastern marsh fern
<i>Echinochloa crusgalli</i>	<i>Echinochloa crus-galli</i>	barnyard grass, barnyardgrass, cockspur, Japanese millet, large barnyard grass, watergrass
<i>Eleocharis compressa</i>	<i>Eleocharis compressa</i>	flat-stem spike-rush, flatstem spikerush, flatstemmed spikesedge
<i>Eleocharis elliptica</i>	<i>Eleocharis elliptica</i>	elliptic spikerush
<i>Eleocharis geniculata</i>	<i>Eleocharis geniculata</i>	Canada spikesedge
<i>Eleocharis olivacea</i>	<i>Eleocharis flavescens</i> var. <i>olivacea</i>	bright green spikerush
<i>Eleocharis pauciflora</i>	<i>Eleocharis quinqueflora</i>	few-flower spike-rush, few-flower spikerush, fewflower spikerush, fewflowered spikesedge
<i>Epilobium coloratum</i>	<i>Epilobium coloratum</i>	purple-leaf willowherb, purpleleaf willowherb, willowweed
<i>Equisetum hyemale</i>	<i>Equisetum hyemale</i>	horsetail, scouring horsetail, scouringrush, scouringrush horsetail, tall scouring-rush, western scouringrush
<i>Equisetum variegatum</i>	<i>Equisetum variegatum</i>	variegated horsetail, variegated scouring-rush, variegated scouringrush
<i>Equisetum x ferrissii</i>	<i>Equisetum x ferrissii</i>	ferris horsetail, Ferriss' horsetail

Species	Integrated Taxonomic Information System (ITIS) Name	Common Name
<i>Eragrostis spectabilis</i>	<i>Eragrostis spectabilis</i>	petticoat-climber, purple lovegrass
<i>Erechtites hieracifolia</i>	<i>Erechtites hieraciifolius</i>	American burnweed, burnweed
<i>Erigeron canadensis</i>	<i>Conyza Canadensis</i>	Canada horseweed, Canadian horseweed, horseweed, horseweed fleabane, mares tail, marestail
<i>Eupatorium altissimum</i>	<i>Eupatorium altissimum</i>	tall joepyeweed, tall thoroughwort
<i>Eupatorium maculatum</i>	<i>Eutrochium maculatum</i>	eupatoire maculée, spotted joepyeweed
<i>Eupatorium perfoliatum</i>	<i>Eupatorium perfoliatum</i>	boneset, Chapman's thoroughwort, common boneset
<i>Eupatorium serotinum</i>	<i>Eupatorium serotinum</i>	late eupatorium, lateflowering thoroughwort
<i>Euphorbia corollata</i>	<i>Euphorbia corollata</i>	flowering spurge, floweringspurge euphorbia
<i>Fragaria virginiana</i>	<i>Fragaria virginiana</i>	thickleaved wild strawberry, Virginia strawberry, wild strawberry
<i>Fraxinus</i> sp.	<i>Fraxinus</i> sp.	ash
<i>Galium pilosum</i>	<i>Galium pilosum</i>	hairy bedstraw
<i>Gentiana crinita</i>	<i>Gentianopsis crinita</i>	fringed gentian, greater fringed gentian, greater fringed-gentian
<i>Gnaphalium</i> sp.	<i>Pseudognaphalium</i> sp.	cudweed, false cudweed, pseudognaphalium
<i>Habenaria hyperborea</i>	<i>Platanthera hyperborea</i>	northern bogorchid, northern green orchid
<i>Helianthus petiolaris</i>	<i>Helianthus petiolaris</i>	prairie sunflower, showy sunflower
<i>Hypericum kalmianum</i>	<i>Hypericum kalmianum</i>	kalm's st. john's-wort, Kalm's St. Johnswort, millepertuis de Kalm
<i>Juncus alpinus</i>	<i>Juncus alpinoarticulatus</i>	northern green rush
<i>Juncus articulatus</i>	<i>Juncus articulatus</i>	jointed rush, jointleaf rush
<i>Juncus balticus</i>	<i>Juncus balticus</i> var. <i>littoralis</i>	Baltic rush
<i>Juncus brachycephalus</i>	<i>Juncus brachycephalus</i>	small-head rush, smallhead rush
<i>Juncus nodosus</i>	<i>Juncus nodosus</i>	jointed rush, knotted rush
<i>Juncus torreyi</i>	<i>Juncus torreyi</i>	torrey rush, Torrey's rush
<i>Juniperus communis</i>	<i>Juniperus communis</i> var. <i>depressa</i>	common juniper
<i>Juniperus virginiana</i>	<i>Juniperus virginiana</i>	eastern red-cedar, eastern redcedar, genévrier rouge, red cedar juniper
<i>Leersia oryzoides</i>	<i>Leersia oryzoides</i>	rice cut grass, rice cutgrass
<i>Liatris aspera</i>	<i>Liatris aspera</i>	rough gayfeather, tall blazing star, tall gayfeather
<i>Linum medium</i>	<i>Linum medium</i> var. <i>texanum</i>	stiff yellow flax, sucker flax
<i>Linum striatum</i>	<i>Linum striatum</i>	ridged yellow flax, rigid flax
<i>Liparis loeselii</i>	<i>Liparis loeselii</i>	yellow wide-lip orchid, yellow widelip orchid
<i>Lobelia kalmii</i>	<i>Lobelia kalmii</i>	brook lobelia, Ontario lobelia
<i>Lonicera</i> sp.	<i>Lonicera</i> sp.	honeysuckle
<i>Lycopus americanus</i>	<i>Lycopus americanus</i>	American bugleweed, American water horehound, American waterhorehound, cut-leaf water-horehound, water horehound, waterhorehound
<i>Lycopus uniflorus</i>	<i>Lycopus uniflorus</i>	bugleweed, northern bugleweed, northern water-horehound, oneflower bugleweed

## APPENDIXES

Species	Integrated Taxonomic Information System (ITIS) Name	Common Name
<i>Lythrum salicaria</i>	<i>Lythrum salicaria</i>	purple loosestrife, purple loosestrife or lythrum, purple lythrum, rainbow weed, salicaire, spiked loosestrife
<i>Mahonia repens</i>	<i>Mahonia repens</i>	creeping barberry, creeping mahonia, oregon grape, Oregongrape, trunkee barberry
<i>Maianthemum canadense interius</i>	<i>Maianthemum canadense</i>	Canada mayflower, false lily-of-the-valley, twoleaved Solomonseal
<i>Melilotus alba</i>	<i>Melilotus alba</i>	white sweetclover
<i>Morus alba (often just seedlings)</i>	<i>Morus alba</i>	mulberry, white mulberry
<i>Oenothera biennis</i>	<i>Oenothera biennis</i>	common evening primrose, common evening-primrose, common eveningprimrose, evening primrose (common), hoary eveningprimrose, king's-cureall
<i>Opuntia humifusa</i>	<i>Opuntia humifusa</i>	devil's-tongue, Nopal del este, pricklypear
<i>Panicum capillare</i>	<i>Panicum capillare</i>	annual witchgrass, common panic grass, common witchgrass, panicgrass, ticklegrass, tumble panic, tumbleweed grass, witches hair, witchgrass
<i>Panicum implicatum</i>	<i>Dichanthelium acuminatum</i> <i>var. acuminatum</i>	tapered rosette grass
<i>Panicum virgatum</i>	<i>Panicum virgatum</i>	old switch panic grass, switchgrass
<i>Parthenocissus quinquefolia</i>	<i>Parthenocissus quinquefolia</i>	American ivy, fiveleaved ivy, Virginia creeper, woodbine
<i>Phalaris arundinacea</i>	<i>Phalaris arundinacea</i>	reed canary grass, reed canarygrass
<i>Phragmites australis</i>	<i>Phragmites australis</i>	common reed
<i>Pinus banksiana</i>	<i>Pinus banksiana</i>	black pine, gray pine, hudson bay pine, jack pine, scrub pine
<i>Plantago rugelii</i>	<i>Plantago rugelii</i>	black-seed plantain, blackseed plantain, Rugel's plantain
<i>Poa compressa</i>	<i>Poa compressa</i>	Canada bluegrass, flat-stem blue grass
<i>Pogonia ophioglossoides</i>	<i>Pogonia ophioglossoides</i>	snake-mouth orchid, snakemouth orchid
<i>Polygonum hydropiperoides</i>	<i>Polygonum hydropiperoides</i>	swamp smartweed
<i>Polygonum lapathifolium</i>	<i>Polygonum lapathifolium</i>	curltop ladythumb, curlytop knotweed, curlytop smartweed, dock-leaf smartweed, nodding smartweed, pale smartweed, smartweed
<i>Polygonum pensylvanicum</i>	<i>Polygonum pensylvanicum</i>	Pennsylvania knotweed, Pennsylvania smartweed, pinkweed, pinweed
<i>Polygonum persicaria</i>	<i>Polygonum persicaria</i>	lady's-thumb, ladythumb, ladythumb smartweed, smartweed, spotted knotweed, spotted ladythumb, spotted smartweed
<i>Polygonum punctatum</i>	<i>Polygonum punctatum</i>	dotted smartweed
<i>Populus deltoides</i>	<i>Populus deltoides</i>	common cottonwood, cottonwood, eastern cottonwood, plains cottonwood

Species	Integrated Taxonomic Information System (ITIS) Name	Common Name
<i>Potamogeton</i> sp. ( <i>P. div.</i> , <i>gram.</i> , <i>ill.</i> )	<i>Potamogeton</i> sp. ( <i>P. diversifolius</i> ; <i>P. gramineus</i> ; <i>P. illinoensis</i> )	pondweed (waterthread, waterthread pondweed; grassy pondweed, variableleaf pondweed; illinois pondweed, Illinois pondweed, potamot de l'Illinois)
<i>Potentilla anserina</i>	<i>Argentina anserina</i>	silverweed cinquefoil
<i>Potentilla simplex</i>	<i>Potentilla simplex</i>	common cinquefoil, oldfield cinquefoil, oldfield fivefingers, spreading cinquefoil
<i>Proserpinaca palustris crebra</i>	<i>Proserpinaca palustris</i> var. <i>crebra</i>	marsh mermaidweed
<i>Prunus pumila</i>	<i>Prunus pumila</i>	sand cherry, sandcherry
<i>Prunus virginiana</i>	<i>Prunus virginiana</i>	chokecherry, chokecherry (common), common chokecherry, Virginia chokecherry
<i>Ptelea trifoliata</i>	<i>Ptelea trifoliata</i> var. <i>mollis</i>	common hoptree
<i>Quercus velutina</i>	<i>Quercus velutina</i>	black oak
<i>Rhamnus frangula</i>	<i>Frangula alnus</i>	glossy buckthorn
<i>Rhus aromatica</i>	<i>Rhus aromatica</i> var. <i>arenaria</i>	fragrant sumac
<i>Rhus typhina</i>	<i>Rhus hirta</i>	staghorn sumac
<i>Rhynchospora capillacea</i>	<i>Rhynchospora capillacea</i>	horned beakrush, needle beaksedge
<i>Robinia pseudoacacia</i>	<i>Robinia pseudoacacia</i>	black locust, false acacia, yellow locust
<i>Rubus</i> sp. (seedlings)	<i>Rubus</i> sp.	blackberry, brambles, framboises, ronces
<i>Rudbeckia hirta</i>	<i>Rudbeckia hirta</i>	black-eyed Susan, blackeyed Susan
<i>Sabatia angularis</i>	<i>Sabatia angularis</i>	rosepink, squarestem rosegentian
<i>Salix fragilis</i>	<i>Salix fragilis</i>	crack willow
<i>Salix glaucophylloides</i>	<i>Salix myricoides</i> var. <i>myricoides</i>	bayberry willow
<i>Salix interior</i>	<i>Salix interior</i>	sandbar willow
<i>Salix syrticola</i>	<i>Salix cordata</i>	heartleaf willow
<i>Salsola kali</i>	<i>Salsola kali</i>	prickly Russian thistle, Russian thistle, tumbleweed
<i>Sassafras albidum</i>	<i>Sassafras albidum</i>	sassafras
<i>Scirpus acutus</i>	<i>Schoenoplectus acutus</i> var. <i>acutus</i>	hardstem bulrush, Tule bulrush
<i>Scirpus pungens</i> ( <i>S. amer.</i> )	<i>Schoenoplectus pungens</i> var. <i>pungens</i>	common threesquare
<i>Scirpus validus</i>	<i>Schoenoplectus tabernaemontani</i>	great bulrush, soft-stem bulrush, softstem bulrush
<i>Scleria verticillata</i>	<i>Scleria verticillata</i>	low nutrush
<i>Scutellaria lateriflora</i>	<i>Scutellaria lateriflora</i>	blue skullcap, mad dog skullcap
<i>Senecio pauperculus</i>	<i>Packera paupercula</i>	balsam groundsel
<i>Silene cucubalus</i>	<i>Silene vulgaris</i>	bladder campion, bladder silene, cowbell, maiden's tears, maiden's-tears, maidenstears, rattleweed
<i>Smilacina stellata</i>	<i>Maianthemum stellatum</i>	false Solomon's seal, little false Solomon's-seal, star false Solomon's-seal, star-flower Solomon's-seal, starry false lily of the valley, starry false Solomon's seal, starry false Solomon's-seal, starry Solomon's-seal

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Species	Integrated Taxonomic Information System (ITIS) Name	Common Name
<i>Solanum dulcamara</i>	<i>Solanum dulcamara</i>	bitter nightshade, bittersweet nightshade, blue nightshade, climbing nightshade, European bittersweet, fellenwort, woody nightshade
<i>Solidago altissima</i>	<i>Solidago altissima</i> ssp. <i>altissima</i>	Canada goldenrod, late goldenrod
<i>Solidago caesia</i>	<i>Solidago caesia</i>	wreath goldenrod
<i>Solidago gigantea</i>	<i>Solidago gigantea</i>	giant goldenrod
<i>Solidago graminifolia</i>	<i>Euthamia graminifolia</i>	flat-top goldentop, flattop goldentop, slender goldentop
<i>Solidago nemoralis</i>	<i>Solidago nemoralis</i>	dyersweed goldenrod, gray goldenrod
<i>Solidago racemosa</i>	<i>Solidago simplex</i> var. <i>gillmanii</i>	Deam's goldenrod, Rand's goldenrod
<i>Solidago rugosa</i>	<i>Solidago rugosa</i>	wrinkleleaf goldenrod
<i>Sonchus</i> sp.	<i>Sonchus</i> sp.	sow thistle, sowthistle
<i>Sonchus uliginosus</i>	<i>Sonchus arvensis</i> ssp. <i>uliginosus</i>	field sow-thistle, field sowthistle, marsh sowthistle, moist sowthistle, perennial sowthistle, sowthistle
<i>Spiranthes cernua</i>	<i>Spiranthes cernua</i>	nodding ladies'-tresses, nodding ladiestresses, white nodding ladies'-tresses
<i>Taraxacum</i> sp.	<i>Taraxacum</i> sp.	dandelion
<i>Thuidium</i> sp. (fern-moss)	<i>Thuidium</i> sp.	thuidium moss
<i>Toxicodendron radicans</i>	<i>Toxicodendron radicans</i>	eastern poison ivy, poison ivy, poisonivy
<i>Tradescantia ohioensis</i>	<i>Tradescantia ohioensis</i>	bluejacket, Ohio spiderwort
<i>Triglochin maritimum</i>	<i>Triglochin maritimum</i>	arrowgrass, seaside arrow-grass, seaside arrowgrass, shore arrowgrass
<i>Typha angustifolia</i>	<i>Typha angustifolia</i>	narrow-leaf cat-tail, narrowleaf cattail
<i>Typha x hybrid</i>	<i>Typha x glauca</i>	white cattail
<i>Ulmus seedling</i>	<i>Ulmus</i> sp.	elm
<i>Utricularia cornuta</i>	<i>Utricularia cornuta</i>	horned bladderwort
<i>Utricularia subulata</i>	<i>Utricularia subulata</i>	zigzag bladderwort
<i>Verbascum thapsus</i>	<i>Verbascum thapsus</i>	big taper, common mullein, flannel mullein, flannel plant, great mullein, mullein, velvet dock, velvet plant, woolly mullein
<i>Verbena hastata</i>	<i>Verbena hastata</i>	blue verbena, blue vervain, Simpler's-joy, swamp verbena
<i>Viburnum opulus</i>	<i>Viburnum opulus</i> var. <i>opulus</i>	European cranberrybush
<i>Vitis riparia</i>	<i>Vitis riparia</i>	river-bank grape, riverbank grape
<i>Yucca smalliana</i>	<i>Yucca flaccida</i>	weak-leaf yucca
<b>Miller</b>		
<i>Agalinis purpurea</i>	<i>Agalinis purpurea</i>	purple false foxglove
<i>Agrostis alba</i>	<i>Agrostis gigantea</i>	black bent, redtop, water bentgrass
<i>Ailanthus altissima</i>	<i>Ailanthus altissima</i>	ailanthus, copal tree, tree of heaven, tree-of-heaven
<i>Alisma subcordatum</i>	<i>Alisma subcordatum</i>	alisma subcorde, American water plantain, southern water plantain, waterplantain
<i>Andropogon scoparius</i>	<i>Schizachyrium scoparium</i>	little bluestem

Species	Integrated Taxonomic Information System (ITIS) Name	Common Name
<i>Apocynum sibiricum</i>	<i>Apocynum cannabinum</i>	common dogbane, dogbane, hemp dogbane, Indian hemp, Indian-hemp, Indianhemp, prairie dogbane
<i>Arabis lyrata</i>	<i>Arabis lyrata</i>	lyrate rockcress
<i>Arctostaphylos uva-ursi coactilis</i>	<i>Arctostaphylos uva-ursi</i>	bearberry, bearberry manzanita, kinnikinnick, mealberry
<i>Aristida intermedia</i>	<i>Aristida longespica</i> var. <i>geniculata</i>	slimspike threeawn
<i>Artemisia caudata</i>	<i>Artemisia campestris</i> ssp. <i>caudata</i>	field sagewort, field wormwood, Pacific wormwood
<i>Asclepias incarnata</i>	<i>Asclepias incarnata</i>	rose milkweed, swamp milkweed
<i>Asclepias syriaca</i>	<i>Asclepias syriaca</i>	broadleaf milkweed, common milkweed
<i>Asparagus officinalis</i>	<i>Asparagus officinalis</i>	asparagus, garden asparagus, garden-asparagus
<i>Aster azureus</i>	<i>Symphotrichum oolentangiense</i>	skyblue aster
<i>Aster dumosus</i>	<i>Symphotrichum dumosum</i>	rice button aster
<i>Aster ptarmicoides</i> ( <i>Solidago</i> )	<i>Solidago ptarmicoides</i>	prairie goldenrod, upland white aster, verge-d'or faux-ptarmica, white flat-top goldenrod
<i>Berberis thunbergii</i>	<i>Berberis thunbergii</i>	Japanese barberry
<i>Bidens vulgata</i>	<i>Bidens vulgata</i>	big devil's beggartick, tall beggarticks, western sticktight
<i>Calamagrostis canadensis</i>	<i>Calamagrostis canadensis</i>	bluejoint, bluejoint reedgrass
<i>Calamovilfa longifolia</i>	<i>Calamovilfa longifolia</i> var. <i>magna</i>	prairie sandreed
<i>Carex comosa</i>	<i>Carex comosa</i>	longhair sedge
<i>Carex viridula</i>	<i>Carex viridula</i>	green sedge, little green sedge
<i>Celastrus orbiculatus</i>	<i>Celastrus orbiculatus</i>	Asian bittersweet, Asiatic bittersweet, oriental bittersweet, tsuru-ume-mo-doki
<i>Cephalanthus occidentalis</i>	<i>Cephalanthus occidentalis</i>	buttonbush, common buttonbush
<i>Chara spp.</i>	<i>Chara spp.</i>	muskgrass, stonewort, muskwort
<i>Cirsium arvense</i>	<i>Cirsium arvense</i>	Californian thistle, Canada thistle, Canadian thistle, creeping thistle, field thistle
<i>Cirsium vulgare</i>	<i>Cirsium vulgare</i>	bull thistle, common thistle, spear thistle
<i>Cladium mariscoides</i>	<i>Cladium mariscoides</i>	smooth sawgrass
<i>Corispermum hyssopifolium</i>	<i>Corispermum americanum</i>	American bugseed
<i>Cornus obliqua</i>	<i>Cornus obliqua</i>	silky dogwood
<i>Cornus stolonifera</i>	<i>Cornus sericea</i>	redosier, redosier dogwood
<i>Cyperus erythrorhizos</i>	<i>Cyperus erythrorhizos</i>	red-root flat sedge, redroot flatsedge, redroot nutgrass
<i>Cyperus ferruginescens</i>	<i>Cyperus odoratus</i>	fragrant flatsedge, rusty flat sedge
<i>Cyperus rivularis</i>	<i>Cyperus bipartitus</i>	brook flatsedge, shining flat sedge, slender flatsedge
<i>Dryopteris thelypteris</i> / <i>T. palustris</i>	<i>Thelypteris palustris</i> var. <i>pubescens</i>	eastern marsh fern
<i>Dulichium arundinaceum</i>	<i>Dulichium arundinaceum</i>	threeway sedge
<i>Eleocharis compressa</i>	<i>Eleocharis compressa</i>	flat-stem spike-rush, flatstem spikerush, flatstemmed spikesedge

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Species	Integrated Taxonomic Information System (ITIS) Name	Common Name
<i>Eleocharis elliptica</i>	<i>Eleocharis elliptica</i>	elliptic spikerush
<i>Eleocharis erythropoda</i>	<i>Eleocharis erythropoda</i>	bald spike-rush, bald spikerush, spikesedge
<i>Eleocharis olivacea</i>	<i>Eleocharis flavescens</i> var. <i>olivacea</i>	bright green spikerush
<i>Epilobium ciliatum</i>	<i>Epilobium ciliatum</i>	fringed willowherb, hairy willowherb, hairy willowweed
<i>Equisetum hyemale</i>	<i>Equisetum hyemale</i>	horsetail, scouring horsetail, scouringrush, scouringrush horsetail, tall scouring-rush, western scouringrush
<i>Equisetum variegatum</i>	<i>Equisetum variegatum</i>	variegated horsetail, variegated scouring-rush, variegated scouringrush
<i>Equisetum x ferrissii</i>	<i>Equisetum x ferrissii</i>	ferris horsetail, Ferriss' horsetail
<i>Erechtites hieracifolia</i>	<i>Erechtites hieraciifolius</i>	American burnweed, burnweed
<i>Eupatorium altissimum</i>	<i>Eupatorium altissimum</i>	tall joeypyeweed, tall thoroughwort
<i>Eupatorium maculatum</i>	<i>Eutrochium maculatum</i>	eupatoire maculée, spotted joeypyeweed
<i>Eupatorium perfoliatum</i>	<i>Eupatorium perfoliatum</i>	boneset, Chapman's thoroughwort, common boneset
<i>Eupatorium serotinum</i>	<i>Eupatorium serotinum</i>	late eupatorium, lateflowering thoroughwort
<i>Euphorbia corollata</i>	<i>Euphorbia corollata</i>	flowering spurge, floweringspurge euphorbia
<i>Fragaria virginiana</i>	<i>Fragaria virginiana</i>	thickleaved wild strawberry, Virginia strawberry, wild strawberry
<i>Fraxinus</i> sp.	<i>Fraxinus</i> sp.	ash
<i>Gentiana crinita</i>	<i>Gentianopsis crinita</i>	fringed gentian, greater fringed gentian, greater fringed-gentian
<i>Hypericum kalmianum</i>	<i>Hypericum kalmianum</i>	kalm's st. john's-wort, Kalm's St. Johnswort, millepertuis de Kalm
<i>Hypericum majus</i>	<i>Hypericum majus</i>	greater Canadian St. John's-wort, large St Johnswort, large St. Johnswort
<i>Iris virginica</i>	<i>Iris virginica</i>	Virginia iris
<i>Juncus alpinus</i>	<i>Juncus alpinoarticulatus</i>	northern green rush
<i>Juncus balticus</i>	<i>Juncus balticus</i> var. <i>littoralis</i>	Baltic rush
<i>Juncus brachycephalus</i>	<i>Juncus brachycephalus</i>	small-head rush, smallhead rush
<i>Juncus canadensis</i>	<i>Juncus canadensis</i>	Canadian rush
<i>Juncus nodosus</i>	<i>Juncus nodosus</i>	jointed rush, knotted rush
<i>Juniperus communis</i>	<i>Juniperus communis</i>	common juniper, dwarf juniper, genévrier commun
<i>Juniperus virginiana</i>	<i>Juniperus virginiana</i>	eastern red-cedar, eastern redcedar, genévrier rouge, red cedar juniper
<i>Leersia oryzoides</i>	<i>Leersia oryzoides</i>	rice cut grass, rice cutgrass
<i>Lemna</i> sp. (most likely <i>L. minor</i> )	<i>Lemna</i> sp. (most likely <i>L. minor</i> )	duckweed (most likely common duckweed, least duckweed, lesser duckweed)
<i>Liatris aspera</i>	<i>Liatris aspera</i>	rough gayfeather, tall blazing star, tall gayfeather
<i>Linum medium</i>	<i>Linum medium</i> var. <i>texanum</i>	stiff yellow flax, sucker flas
<i>Linum striatum</i>	<i>Linum striatum</i>	ridged yellow flax, rigid flax

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<i>Lithospermum croceum</i>	<i>Lithospermum caroliniense</i> var. <i>croceum</i>	Carolina puccoon
<i>Lobelia kalmii</i>	<i>Lobelia kalmii</i>	brook lobelia, Ontario lobelia
<i>Lonicera</i> sp.	<i>Lonicera</i> sp.	honeysuckle
<i>Lonicera tatarica</i>	<i>Lonicera tatarica</i>	bush honeysuckle, Tartarian honeysuckle, Tartarian honeysuckle
<i>Lycopus americanus</i>	<i>Lycopus americanus</i>	American bugleweed, American water horehound, American waterhorehound, cut-leaf water-horehound, water horehound, waterhorehound
<i>Lycopus rubellus</i>	<i>Lycopus rubellus</i>	taperleaf bugleweed, taperleaf water horehound
<i>Lycopus uniflorus</i>	<i>Lycopus uniflorus</i>	bugleweed, northern bugleweed, northern water-horehound, oneflower bugleweed
<i>Lythrum alatum</i>	<i>Lythrum alatum</i>	wing-angle loosestrife, winged lythrum
<i>Lythrum salicaria</i>	<i>Lythrum salicaria</i>	purple loosestrife, purple loosestrife or lythrum, purple lythrum, rainbow weed, salicaire, spiked loosestrife
<i>Mimulus ringens</i>	<i>Mimulus ringens</i>	Allegheny monkey-flower, Allegheny monkeyflower, ringen monkeyflower
<i>Muhlenbergia mexicana</i>	<i>Muhlenbergia mexicana</i>	Mexican muhly
<i>Nuphar advena</i>	<i>Nuphar lutea</i> ssp. <i>advena</i>	yellow pond-lily, yellow pondlily
<i>Panicum capillare</i>	<i>Panicum capillare</i>	annual witchgrass, common panic grass, common witchgrass, panicgrass, ticklegrass, tumble panic, tumbleweed grass, witches hair, witchgrass
<i>Panicum implicatum</i>	<i>Dichanthelium acuminatum</i> var. <i>acuminatum</i>	tapered rosette grass
<i>Panicum virgatum</i>	<i>Panicum virgatum</i>	old switch panic grass, switchgrass
<i>Parthenocissus quinquefolia</i>	<i>Parthenocissus quinquefolia</i>	American ivy, fiveleaved ivy, Virginia creeper, woodbine
<i>Pedicularis lanceolata</i>	<i>Pedicularis lanceolata</i>	swamp lousewort
<i>Phragmites australis</i>	<i>Phragmites australis</i>	common reed
<i>Pinus banksiana</i>	<i>Pinus banksiana</i>	black pine, gray pine, hudson bay pine, jack pine, scrub pine
<i>Polygonum amphibium</i>	<i>Polygonum amphibium</i>	water knotweed, water smartweed
<i>Polygonum hydropiperoides</i>	<i>Polygonum hydropiperoides</i>	swamp smartweed
<i>Polygonum lapathifolium</i>	<i>Polygonum lapathifolium</i>	curltop ladythumb, curlytop knotweed, curlytop smartweed, dock-leaf smartweed, nodding smartweed, pale smartweed, smartweed
<i>Polygonum persicaria</i>	<i>Polygonum persicaria</i>	lady's-thumb, ladythumb, ladythumb smartweed, smartweed, spotted knotweed, spotted ladythumb, spotted smartweed
<i>Populus deltoides</i>	<i>Populus deltoides</i>	common cottonwood, cottonwood, eastern cottonwood, plains cottonwood
<i>Populus tremuloides</i>	<i>Populus tremuloides</i>	quaking aspen

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Species	Integrated Taxonomic Information System (ITIS) Name	Common Name
<i>Potamogeton crispus</i>	<i>Potamogeton crispus</i>	curly pondweed, curly-leaved pondweed
<i>Potamogeton robbinsii</i>	<i>Potamogeton robbinsii</i>	Robbins pondweed, Robbins' pondweed
<i>Potamogeton</i> sp. ( <i>P. div.,gram.,ill.</i> )	<i>Potamogeton</i> sp. ( <i>P. diversifolius; P. gramineus; P. illinoensis</i> )	pondweed (waterthread, waterthread pondweed; grassy pondweed, variableleaf pondweed; illinois pondweed, Illinois pondweed, potamot de l'Illinois)
<i>Proserpinaca palustris crebra</i>	<i>Proserpinaca palustris</i> var. <i>crebra</i>	marsh mermaidweed
<i>Prunus pumila</i>	<i>Prunus pumila</i>	sand cherry, sandcherry
<i>Prunus virginiana</i>	<i>Prunus virginiana</i>	chokecherry, chokecherry (common), common chokecherry, Virginia chokecherry
<i>Ptelea trifoliata</i>	<i>Ptelea trifoliata</i> var. <i>mollis</i>	common hoptree
<i>Pycnanthemum tenuifolium</i>	<i>Pycnanthemum tenuifolium</i>	narrowleaf mountainmint, narrowleaf mountainmint
<i>Pycnanthemum virginianum</i>	<i>Pycnanthemum virginianum</i>	Virginia mountain-mint, Virginia mountainmint, Virginia mountainmint
<i>Quercus palustris</i>	<i>Quercus palustris</i>	pin oak
<i>Quercus velutina</i>	<i>Quercus velutina</i>	black oak
<i>Rhus aromatica</i>	<i>Rhus aromatica</i> var. <i>arenaria</i>	fragrant sumac
<i>Rhynchospora capillacea</i>	<i>Rhynchospora capillacea</i>	horned beakrush, needle beaksedge
<i>Rosa palustris</i>	<i>Rosa palustris</i>	swamp rose
<i>Rudbeckia hirta</i>	<i>Rudbeckia hirta</i>	black-eyed Susan, blackeyed Susan
<i>Sabatia angularis</i>	<i>Sabatia angularis</i>	rosepink, squarestem rosegentian
<i>Salix glaucophylloides</i>	<i>Salix myricoides</i> var. <i>myricoides</i>	bayberry willow
<i>Salix interior</i>	<i>Salix interior</i>	sandbar willow
<i>Salix nigra</i>	<i>Salix nigra</i>	black willow
<i>Salix syrticola</i>	<i>Salix cordata</i>	heartleaf willow
<i>Satureja arkansana</i>	<i>Clinopodium arkansanum</i>	limestone calamint
<i>Scirpus acutus</i>	<i>Schoenoplectus acutus</i> var. <i>acutus</i>	hardstem bulrush, Tule bulrush
<i>Scirpus pungens</i> ( <i>S. amer.</i> )	<i>Schoenoplectus pungens</i> var. <i>pungens</i>	common threesquare
<i>Scirpus validus</i>	<i>Schoenoplectus tabernaemontani</i>	great bulrush, soft-stem bulrush, softstem bulrush
<i>Scleria verticillata</i>	<i>Scleria verticillata</i>	low nutrush
<i>Scutellaria epilobifolia</i>	<i>Scutellaria galericulata</i>	hooded skullcap, marsh skullcap, marsh skullcap
<i>Senecio pauperculus</i>	<i>Packera paupercula</i>	balsam groundsel
<i>Smilacina stellata</i>	<i>Maianthemum stellatum</i>	false Solomon's seal, little false Solomon's-seal, star false Solomon's-seal, star-flower Solomon's-seal, starry false lily of the valley, starry false Solomon's seal, starry false Solomon's-seal, starry Solomon's-seal
<i>Solanum dulcamara</i>	<i>Solanum dulcamara</i>	bitter nightshade, bittersweet nightshade, blue nightshade, climbing nightshade, European bittersweet, fellenwort, woody nightshade

Species	Integrated Taxonomic Information System (ITIS) Name	Common Name
<i>Solidago altissima</i>	<i>Solidago altissima</i> ssp. <i>altissima</i>	Canada goldenrod, late goldenrod
<i>Solidago gigantea</i>	<i>Solidago gigantea</i>	giant goldenrod
<i>Solidago graminifolia</i>	<i>Euthamia graminifolia</i>	flat-top goldentop, flattop goldentop, slender goldentop
<i>Solidago nemoralis</i>	<i>Solidago nemoralis</i>	dyersweed goldenrod, gray goldenrod
<i>Sorghastrum nutans</i>	<i>Sorghastrum nutans</i>	Indiangrass, yellow indian-grass
<i>Sphagnum</i> sp.	<i>Sphagnum</i> sp.	sphagnum
<i>Spiranthes cernua</i>	<i>Spiranthes cernua</i>	nodding ladies'-tresses, nodding ladiestresses, white nodding ladies'-tresses
<i>Toxicodendron radicans</i>	<i>Toxicodendron radicans</i>	eastern poison ivy, poison ivy, poisonivy
<i>Triglochin maritimum</i>	<i>Triglochin maritimum</i>	arrowgrass, seaside arrow-grass, seaside arrowgrass, shore arrowgrass
<i>Typha angustifolia</i>	<i>Typha angustifolia</i>	narrow-leaf cat-tail, narrowleaf cattail
<i>Typha x hybrid</i>	<i>Typha x glauca</i>	white cattail
<i>Ulmus pumila</i>	<i>Ulmus pumila</i>	Chinese elm, Siberian elm
<i>Utricularia cornuta</i>	<i>Utricularia cornuta</i>	horned bladderwort
<i>Utricularia gibba</i>	<i>Utricularia gibba</i>	conespur bladderpod, humped bladderwort
<i>Utricularia vulgaris</i>	<i>Utricularia macrorhiza</i>	common bladderpod, common bladderwort, greater bladderwort
<i>Vitis riparia</i>	<i>Vitis riparia</i>	river-bank grape, riverbank grape
<i>Xanthium strumarium</i>	<i>Xanthium strumarium</i>	Canada cocklebur, cocklebur, cockleburr, common cocklebur, rough cocklebur, rough cockleburr
<b>Ogden Dunes</b>		
<i>Agalinis purpurea</i>	<i>Agalinis purpurea</i>	purple false foxglove
<i>Ammophila breviligulata</i>	<i>Ammophila breviligulata</i>	American beachgrass
<i>Andropogon scoparius</i>	<i>Schizachyrium scoparium</i>	little bluestem
<i>Arabis lyrata</i>	<i>Arabis lyrata</i>	lyrate rockcress
<i>Arctostaphylos uva-ursi coactilis</i>	<i>Arctostaphylos uva-ursi</i>	bearberry, bearberry manzanita, kinnikinnick, mealberry
<i>Artemisia caudata</i>	<i>Artemisia campestris</i> ssp. <i>caudata</i>	field sagewort, field wormwood, Pacific wormwood
<i>Aster dumosus</i>	<i>Symphotrichum dumosum</i>	rice button aster
<i>Aster ptarmicoides (Solidago)</i>	<i>Solidago ptarmicoides</i>	prairie goldenrod, upland white aster, verge-d'or faux-ptarmica, white flat-top goldenrod
<i>Aster simplex</i>	<i>Symphotrichum lanceolatum</i>	white panicle aster
<i>Berberis thunbergii</i>	<i>Berberis thunbergii</i>	Japanese barberry
<i>Calamovilfa longifolia</i>	<i>Calamovilfa longifolia</i> var. <i>magna</i>	prairie sandreed
<i>Campyllum</i> sp. (moss)	<i>Campyllum</i> sp.	campyllum moss
<i>Carex viridula</i>	<i>Carex viridula</i>	green sedge, little green sedge
<i>Celastrus orbiculatus</i>	<i>Celastrus orbiculatus</i>	Asian bittersweet, Asiatic bittersweet, oriental bittersweet, tsuru-ume-mo-doki
<i>Chara</i> spp.	<i>Chara</i> spp.	muskgrass, stonewort, muskwort
<i>Cirsium vulgare</i>	<i>Cirsium vulgare</i>	bull thistle, common thistle, spear thistle
<i>Cladium mariscoides</i>	<i>Cladium mariscoides</i>	smooth sawgrass

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Species	Integrated Taxonomic Information System (ITIS) Name	Common Name
<i>Corispermum hyssopifolium</i>	<i>Corispermum americanum</i>	American bugseed
<i>Cornus stolonifera</i>	<i>Cornus sericea</i>	redosier, redosier dogwood
<i>Cyperus rivularis</i>	<i>Cyperus bipartitus</i>	brook flatsedge, shining flat sedge, slender flatsedge
<i>Daucus carota</i>	<i>Daucus carota</i>	bird's nest, Queen Anne's lace, wild carrot
<i>Eleocharis elliptica</i>	<i>Eleocharis elliptica</i>	elliptic spikerush
<i>Eleocharis geniculata</i>	<i>Eleocharis geniculata</i>	Canada spikesedge
<i>Eleocharis pauciflora</i>	<i>Eleocharis quinqueflora</i>	few-flower spike-rush, few-flower spikerush, fewflower spikerush, fewflowered spikesedge
<i>Equisetum variegatum</i>	<i>Equisetum variegatum</i>	variegated horsetail, variegated scouring-rush, variegated scouringrush
<i>Equisetum x ferrissii</i>	<i>Equisetum x ferrissii</i>	ferris horsetail, Ferriss' horsetail
<i>Erigeron canadensis</i>	<i>Conyza canadensis</i>	Canada horseweed, Canadian horseweed, horseweed, horseweed fleabane, mares tail, marestail
<i>Eupatorium perfoliatum</i>	<i>Eupatorium perfoliatum</i>	boneset, Chapman's thoroughwort, common boneset
<i>Fimbristylis autumnalis</i>	<i>Fimbristylis autumnalis</i>	slender fimbry
<i>Fragaria virginiana</i>	<i>Fragaria virginiana</i>	thickleaved wild strawberry, Virginia strawberry, wild strawberry
<i>Gentiana crinita</i>	<i>Gentianopsis crinita</i>	fringed gentian, greater fringed gentian, greater fringed-gentian
<i>Helianthus petiolaris</i>	<i>Helianthus petiolaris</i>	prairie sunflower, showy sunflower
<i>Hemicarpha micrantha</i>	<i>Lipocarpha micrantha</i>	dwarf bulrush, lipocarpe à petites fleurs, small-flower halfchaff sedge, smallflower halfchaff sedge, smallflower hemicarpha
<i>Hypericum kalmianum</i>	<i>Hypericum kalmianum</i>	kalm's st. john's-wort, Kalm's St. Johnswort, millepertuis de Kalm
<i>Juncus alpinus</i>	<i>Juncus alpinoarticulatus</i>	northern green rush
<i>Juncus balticus</i>	<i>Juncus balticus</i> var. <i>littoralis</i>	Baltic rush
<i>Juncus brachycephalus</i>	<i>Juncus brachycephalus</i>	small-head rush, smallhead rush
<i>Juncus nodosus</i>	<i>Juncus nodosus</i>	jointed rush, knotted rush
<i>Juniperus communis</i>	<i>Juniperus communis</i>	common juniper, dwarf juniper, genévrier commun
<i>Juniperus virginiana</i>	<i>Juniperus virginiana</i>	eastern red-cedar, eastern redcedar, genévrier rouge, red cedar juniper
<i>Lechea tenuifolia</i>	<i>Lechea tenuifolia</i>	narrowleaf pinweed
<i>Lemna</i> sp. (most likely <i>L. minor</i> )	<i>Lemna</i> sp. (most likely <i>L. minor</i> )	duckweed (most likely common duckweed, least duckweed, lesser duckweed)
<i>Lobelia kalmii</i>	<i>Lobelia kalmii</i>	brook lobelia, Ontario lobelia
<i>Lycopus americanus</i>	<i>Lycopus americanus</i>	American bugleweed, American water horehound, American waterhorehound, cut-leaf water-horehound, water horehound, waterhorehound
<i>Lycopus uniflorus</i>	<i>Lycopus uniflorus</i>	bugleweed, northern bugleweed, northern water-horehound, oneflower bugleweed

Species	Integrated Taxonomic Information System (ITIS) Name	Common Name
<i>Lythrum salicaria</i>	<i>Lythrum salicaria</i>	purple loosestrife, purple loosestrife or lythrum, purple lythrum, rainbow weed, salicaire, spiked loosestrife
<i>Mahonia repens</i>	<i>Mahonia repens</i>	creeping barberry, creeping mahonia, oregon grape, Oregongrape, trunkee barberry
<i>Morus alba</i> (often just seedlings)	<i>Morus alba</i>	mulberry, white mulberry
<i>Nepeta cataria</i>	<i>Nepeta cataria</i>	catmint, catnip, catwort, field balm
<i>Oenothera biennis</i>	<i>Oenothera biennis</i>	common evening primrose, common evening-primrose, common eveningprimrose, evening primrose (common), hoary eveningprimrose, king's-cureall
<i>Opuntia humifusa</i>	<i>Opuntia humifusa</i>	devil's-tongue, Nopal del este, pricklypear
<i>Panicum implicatum</i>	<i>Dichanthelium acuminatum</i> var. <i>acuminatum</i>	tapered rosette grass
<i>Panicum virgatum</i>	<i>Panicum virgatum</i>	old switch panic grass, switchgrass
<i>Phalaris arundinacea</i>	<i>Phalaris arundinacea</i>	reed canary grass, reed canarygrass
<i>Phragmites australis</i>	<i>Phragmites australis</i>	common reed
<i>Pinus banksiana</i>	<i>Pinus banksiana</i>	black pine, gray pine, hudson bay pine, jack pine, scrub pine
<i>Populus deltoides</i>	<i>Populus deltoides</i>	common cottonwood, cottonwood, eastern cottonwood, plains cottonwood
<i>Prunus virginiana</i>	<i>Prunus virginiana</i>	chokecherry, chokecherry (common), common chokecherry, Virginia chokecherry
<i>Ptelea trifoliata</i>	<i>Ptelea trifoliata</i> var. <i>mollis</i>	common hoptree
<i>Quercus velutina</i>	<i>Quercus velutina</i>	black oak
<i>Rhynchospora capillacea</i>	<i>Rhynchospora capillacea</i>	horned beakrush, needle beaksedge
<i>Rosa multiflora</i>	<i>Rosa multiflora</i>	multiflora rose
<i>Rosa palustris</i>	<i>Rosa palustris</i>	swamp rose
<i>Rubus</i> sp. (seedlings)	<i>Rubus</i> sp.	blackberry, brambles, framboises, ronces
<i>Sabatia angularis</i>	<i>Sabatia angularis</i>	rosepink, squarestem rosegentian
<i>Salix discolor</i>	<i>Salix discolor</i>	pussy willow
<i>Salix fragilis</i>	<i>Salix fragilis</i>	crack willow
<i>Salix glaucophylloides</i>	<i>Salix myricoides</i> var. <i>myricoides</i>	bayberry willow
<i>Salix interior</i>	<i>Salix interior</i>	sandbar willow
<i>Salsola kali</i>	<i>Salsola kali</i>	prickly Russian thistle, Russian thistle, tumbleweed
<i>Sassafras albidum</i>	<i>Sassafras albidum</i>	sassafras
<i>Scirpus acutus</i>	<i>Schoenoplectus acutus</i> var. <i>acutus</i>	hardstem bulrush, Tule bulrush
<i>Scirpus pungens</i> (S. amer.)	<i>Schoenoplectus pungens</i> var. <i>pungens</i>	common threesquare
<i>Scirpus validus</i>	<i>Schoenoplectus tabernaemontani</i>	great bulrush, soft-stem bulrush, softstem bulrush
<i>Scleria verticillata</i>	<i>Scleria verticillata</i>	low nutrush
<i>Senecio pauperculus</i>	<i>Packera paupercula</i>	balsam groundsel

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Species	Integrated Taxonomic Information System (ITIS) Name	Common Name
<i>Smilacina stellata</i>	<i>Maianthemum stellatum</i>	false Solomon's seal, little false Solomon's-seal, star false Solomon's-seal, star-flower Solomon's-seal, starry false lily of the valley, starry false Solomon's seal, starry false Solomon's-seal, starry Solomon's-seal
<i>Solanum dulcamara</i>	<i>Solanum dulcamara</i>	bitter nightshade, bittersweet nightshade, blue nightshade, climbing nightshade, European bittersweet, fellenwort, woody nightshade
<i>Solidago altissima</i>	<i>Solidago altissima</i> ssp. <i>altissima</i>	Canada goldenrod, late goldenrod
<i>Solidago gigantea</i>	<i>Solidago gigantea</i>	giant goldenrod
<i>Solidago graminifolia</i>	<i>Euthamia graminifolia</i>	flat-top goldentop, flattop goldentop, slender goldentop
<i>Solidago nemoralis</i>	<i>Solidago nemoralis</i>	dyersweed goldenrod, gray goldenrod
<i>Solidago rugosa</i>	<i>Solidago rugosa</i>	wrinkleleaf goldenrod
<i>Sonchus uliginosus</i>	<i>Sonchus arvensis</i> ssp. <i>uliginosus</i>	field sow-thistle, field sowthistle, marsh sowthistle, moist sowthistle, perennial sowthistle, sowthistle
<i>Triglochin maritimum</i>	<i>Triglochin maritimum</i>	arrowgrass, seaside arrow-grass, seaside arrowgrass, shore arrowgrass
<i>Typha angustifolia</i>	<i>Typha angustifolia</i>	narrow-leaf cat-tail, narrowleaf cattail
<i>Utricularia cornuta</i>	<i>Utricularia cornuta</i>	horned bladderwort
<i>Utricularia subulata</i>	<i>Utricularia subulata</i>	zigzag bladderwort
<i>Viburnum opulus</i>	<i>Viburnum opulus</i> var. <i>opulus</i>	European cranberrybush

SOURCE: Prepared by Daniel Mason, NPS

Note:

For the most part nomenclature follow Flora of Chicago; however a few names may reflect recent changes per the Flora of North America.

APPENDIX D7: PARK PLANTS OF CONCERN AND LIST OF SPECIES OCCURRING IN THE DUNE COMPLEX

Species	ITIS Name	Flowering	Habitat	State Status	Federal Status	Common Name	ITIS Common Name(s)	Growth Form	Life Cycle	Family	Class	Native/ Non*
<b>Listed Endangered, Threatened and Rare</b>												
<i>Lathyrus japonicus glaber</i>	<i>Lathyrus japonicus</i> var. <i>maritimus</i>	Jul	Foredune complex	Endangered		beach pea	beach pea	Vine	Perennial	Fabaceae	Dicot	Native
<i>Arctostaphylos uva-ursi coactilis</i>	<i>Arctostaphylos uva-ursi</i>	Apr May Jun	Foredune complex, dune complex	Rare		bearberry	bearberry, bearberry manzanita, kinnikinnick, mealberry	Shrub	Perennial	Ericaceae	Dicot	Native
<i>Arenaria stricta</i>	<i>Minuartia michauxii</i> var. <i>michauxii</i>	May Jun Jul	Prairie dry, foredune complex	Rare		stiff sandwort	Michaux's stitchwort	Forb	Annual, Perennial	Caryophyllaceae	Dicot	Native
<i>Euphorbia polygonifolia</i>	<i>Chamaesyce polygonifolia</i>	Jul Aug Sep	Foredune complex	Rare		seaside spurge	chamésyce à feuilles de renouée, seaside sandmat, seaside spurge	Forb	Annual	Euphorbiaceae	Dicot	Native
<i>Juniperus communis depressa</i>	<i>Juniperus communis</i> var. <i>depressa</i>		Dune complex, foredune complex	Rare		common juniper	common juniper	Shrub	Perennial	Cupressaceae	Gymnosperm	Native
<i>Pinus banksiana</i>	<i>Pinus banksiana</i>		Dune complex, foredune complex	Rare		jack pine	black pine, gray pine, hudson bay pine, jack pine, scrub pine	Tree	Perennial	Pinaceae	Gymnosperm	Native
<i>Polygonella articulata</i>	<i>Polygonella articulata</i>	Aug Sep Oct	Dune complex, foredune complex	Rare		jointweed	coastal jointweed	Forb	Annual	Polygonaceae	Dicot	Native
<i>Rhus aromatica</i> var. <i>arenaria</i>	<i>Rhus aromatica</i> var. <i>arenaria</i>		Foredune complex, savanna complex	Rare		fragrant sumac	fragrant sumac	Shrub	Perennial	Anacardiaceae	Dicot	Native
<i>Cirsium pitcheri</i>	<i>Cirsium pitcheri</i>	Jun Jul	Foredune complex	Threatened	Threatened	sand thistle	Pitcher's thistle, sand dune thistle	Forb	Perennial	Asteraceae	Dicot	Native

Species	ITIS Name	Flowering	Habitat	State Status	Federal Status	Common Name	ITIS Common Name(s)	Growth Form	Life Cycle	Family	Class	Native/ Non*
<i>Potentilla anserina</i>	<i>Argentina anserina</i>	May Jun Jul Aug Sep	Foredune complex	Threatened		silverweed	silverweed cinquefoil	Forb	Perennial	Rosaceae	Dicot	Native
<i>Salix syrticola</i> (FC) <i>indiana-Cordata</i>	<i>Salix cordata</i>	Apr May Jun Jul	Foredune complex	Threatened		dune willow	heartleaf willow	Shrub	Perennial	Salicaceae	Dicot	Native
<i>Solidago racemosa gillmani</i>	<i>Solidago simplex</i> var. <i>gillmanii</i>	Jul Aug Sep Oct Nov	Pannes, foredune complex	Threatened		dune goldenrod	Deam's goldenrod, Rand's goldenrod	Forb	Perennial	Asteraceae	Dicot	Native
<b>Desirable Beach Plant Assemblage (would also include <i>E. polygonifolia</i>)</b>												
<i>Arabis lyrata</i>	<i>Arabis lyrata</i>	Apr May Jun Jul Aug Sep	Foredune complex, dune complex, savanna complex	No status		sand cress	lyrate rockcress	Forb	Annual	Brassicaceae	Dicot	Native
<i>Artemisia caudata</i>	<i>Artemisia campestris</i> ssp. <i>caudata</i>	Aug Sep Oct	Foredune complex, dune complex	No status		beach wormwood	field sagewort, field wormwood, Pacific wormwood	Forb	Biennial	Asteraceae	Dicot	Native
<i>Cakile edentula</i>	<i>Cakile edentula</i>	Jul Aug Sep Oct	Foredune complex	No status		sea rocket	American searocket	Forb	Annual	Brassicaceae	Dicot	Native
<i>Corispermum hyssopifolium</i>	<i>Corispermum americanum</i>	Aug Sep	Foredune complex, dune complex	No status		common bugseed	American bugseed	Forb	Annual	Chenopodiaceae	Dicot	Native
<i>Cycloloma atriplicifolium</i>	<i>Cycloloma atriplicifolium</i>	Jul Aug Sep	Foredune complex, dune complex, savanna complex	No status		winged pigweed	tumble ringwing, winged pigweed, winged-pigweed	Forb	Annual	Chenopodiaceae	Dicot	Native

Species	ITIS Name	Flowering	Habitat	State Status	Federal Status	Common Name	ITIS Common Name(s)	Growth Form	Life Cycle	Family	Class	Native/ Non*
List of Species (native and non-native) Occurring in the Beach/Dune Complex (not including wetlands/pannes)												
<i>Ammophila breviligulata</i>	<i>Ammophila breviligulata</i>		Foredune complex	No status		marram grass	American beachgrass	Graminoid	Perennial	Poaceae	Monocot	Native
<i>Andropogon scoparius</i>	<i>Schizachyrium scoparium</i>		Prairie wet, prairie dry, foredune complex	No status		little bluestem grass	little bluestem	Graminoid	Perennial	Poaceae	Monocot	Native
<i>Asclepias viridiflora</i>	<i>Asclepias viridiflora</i>	Jun Jul	Foredune complex, prairie dry, dist dry	No status		short green milkweed	green antelopehorn milkweed, green comet milkweed, green milkweed	Forb	Perennial	Asclepiadaceae	Dicot	Native
<i>Calamovilfa longifolia</i>	<i>Calamovilfa longifolia</i> var. <i>magna</i>		Dist dry, dune complex, foredune complex	No status		sand reed	prairie sandreed	Graminoid	Perennial	Poaceae	Monocot	Native
<i>Carex tonsa</i>	<i>Carex tonsa</i> var. <i>tonsa</i>		Foredune complex	No status		sedge	shaved sedge	Graminoid	Perennial	Cyperaceae	Monocot	Native
<i>Carex umbellata</i>	<i>Carex umbellata</i>		Foredune complex	No status		hairy false early sedge	parasol sedge	Graminoid	Perennial	Cyperaceae	Monocot	Native
<i>Celastrus orbiculatus</i>	<i>Celastrus orbiculatus</i>		Dune complex, savanna complex	No status		oriental bittersweet	Asian bittersweet, Asiatic bittersweet, oriental bittersweet, tsuru-ume-mo-doki	Shrub	Perennial	Celastraceae	Dicot	Non-native
<i>Celastrus scandens</i>	<i>Celastrus scandens</i>	May Jun	Dist-dry, Foredune complex, savanna complex	No status		climbing bittersweet	American bittersweet, staffvine, waxwork	Shrub	Perennial	Celastraceae	Dicot	Native

Species	ITIS Name	Flowering	Habitat	State Status	Federal Status	Common Name	ITIS Common Name(s)	Growth Form	Life Cycle	Family	Class	Native/ Non*
<i>Centaurea maculosa</i>	<i>Centaurea stoebe</i> ssp. <i>micranthos</i>	Jun Jul Aug Sept Oct	Foredune complex, dune complex, savanna complex	No status		spotted knapweed	spotted knapweed	Forb	Perennial	Asteraceae	Dicot	Invasive Non-native
<i>Cirsium arvense</i>	<i>Cirsium arvense</i>		Dune complex, Savanna complex	No status		Canada thistle	Californian thistle, Canada thistle, Canadian thistle, creeping thistle, field thistle	Forb	Perennial	Asteraceae	Dicot	Non-native
<i>Cynoglossum officinale</i>	<i>Cynoglossum officinale</i>		Foredune	No status		hound's tongue	common houndstongue, gypsy-flower, gypsyflower, hound's tongue, houndstongue	Forb	Bi-annual	Boraginaceae	Dicot	Non-native
<i>Diervilla lonicera</i>	<i>Diervilla lonicera</i>		Dune complex, savanna complex	No status		bush honeysuckle	northern bush honeysuckle, northern bush-honeysuckle	Shrub	Perennial	Caprifoliaceae	Dicot	Non-native
<i>Elymus canadensis</i>	<i>Elymus canadensis</i>		Foredune complex, dune complex	No status		Canada wild rye	Canada wildrye	Graminoid	Perennial	Poaceae	Monocot	
<i>Helianthus petiolaris</i>	<i>Helianthus petiolaris</i>	Jun Jul Aug Sep Oct Nov	Dist dry, dune complex, foredune complex	No status		petioled sunflower	prairie sunflower, showy sunflower	Forb	Perennial	Asteraceae	Dicot	
<i>Juniperus virginiana crebra</i>	<i>Juniperus virginiana</i>		Foredune complex, dune complex	No status		eastern red cedar	eastern red-cedar, eastern redcedar, genévrier rouge, red cedar juniper	Tree	Perennial	Pinaceae	Gymnosperm	Native

Species	ITIS Name	Flowering	Habitat	State Status	Federal Status	Common Name	ITIS Common Name(s)	Growth Form	Life Cycle	Family	Class	Native/ Non*
<i>Leymus arenarius</i>	<i>Leymus arenarius</i>		Foredune complex	No status		lyme grass	sand ryegrass	Graminoid	Perennial	Poaceae	Monocot	Invasive Non-native
<i>Lithospermum croceum</i>	<i>Lithospermum caroliniense</i> var. <i>croceum</i>	Apr May Jun Jul Aug Sep Oct	Foredune complex, dist dry	No status		hairy puccoon	Carolina puccoon	Forb	Perennial	Boraginaceae	Dicot	
<i>Melilotus officinalis</i>	<i>Melilotus officinalis</i>		Dune complex, savanna complex	No status		sweet clover	yellow sweet-clover, yellow sweetclover	Forb	Perennial	Fabeaceae	Dicot	Non-native
<i>Oenothera biennis</i>	<i>Oenothera biennis</i>	Jun Jul Aug Sep Oct	Savanna complex, dune complex, dist dry, foredune complex	No status		common evening primrose	common evening primrose, common evening-primrose, common evening primrose, evening primrose (common), hoary evening primrose, king's-cureall	Forb	Biennial	Onagraceae	Dicot	
<i>Opuntia humifusa</i>	<i>Opuntia humifusa</i>	Jun Jul	Savanna complex, dune complex, foredune complex	No status		prickly pear	devil's-tongue, Nopal del este, pricklypear	Forb	Perennial	Cactaceae	Dicot	Native
<i>Populus candicans</i> X <i>jackii</i>	<i>Populus candicans</i> X <i>jackii</i>	Apr May	Foredune complex	No status		balm-of-Gilead, Jack's poplar	balm-of-Gilead, Jack's poplar					Non-native

Species	ITIS Name	Flowering	Habitat	State Status	Federal Status	Common Name	ITIS Common Name(s)	Growth Form	Life Cycle	Family	Class	Native/ Non*
<i>Populus deltoides</i>	<i>Populus deltoides</i>	Apr May	Foredune complex,	No status		cottonwood	common cottonwood, cottonwood, eastern cottonwood, plains cottonwood	Tree	Perennial	Salicaceae	Dicot	Non-native
<i>Populus nigra italica</i>	<i>Populus nigra</i>		Foredune complex	No status		lombardy poplar	black cottonwood, black poplar, Lombardy poplar, Lombardy's poplar	Tree	Perennial	Salicaceae	Dicot	Non-native
<i>Populus X jackii</i>	<i>Populus x jackii</i>		Foredune complex	No status		balm-of-Gilead	balm-of-Gilead	Tree	Perennial	Salicaceae	Dicot	Non-native
<i>Prunus pumila</i>	<i>Prunus pumila</i>	Apr May Jun	Foredune complex, savanna complex	No status		sand cherry	sand cherry, sandcherry	Shrub	Perennial	Rosaceae	Dicot	Native
<i>Ptelea trifoliata mollis</i>	<i>Ptelea trifoliata</i> var. <i>mollis</i>	Jun	Dune complex, foredune complex	No status		wafer ash, hop tree	common hoptree	Shrub	Perennial	Rutaceae	Dicot	Native
<i>Pteridium aquilinum latiusculum</i>	<i>Pteridium aquilinum</i> var. <i>latiusculum</i>		Foredune complex, dune complex, savanna complex	No status		bracken fern	bracken, bracken fern, northern bracken fern, western brackenfern	Fern	Perennial	Polypodiaceae	Filicinae	Native

Species	ITIS Name	Flowering	Habitat	State Status	Federal Status	Common Name	ITIS Common Name(s)	Growth Form	Life Cycle	Family	Class	Native/ Non*
<i>Rhamnus cathartica</i>	<i>Rhamnus cathartica</i>		Foredune complex, dune complex, savanna complex	No status		buckthorn	carolina buckthorn, common buckthorn, European buckthorn, European waythorn, Hart's thorn, nerprun cathartique	Tree	Perennial	Rhamnaceae	Dicot	Non-native
<i>Robinia pseudoacacia</i>	<i>Robinia pseudoacacia</i>		Foredune complex, dune complex, savanna complex	No status		black locust	black locust, false acacia, yellow locust	Tree	Perennial	Fabeaceae	Dicot	Invasive Non-native
<i>Smilax lasioneura</i>	<i>Smilax lasioneura</i>	Apr May Jun	Foredune	No status		common carrion flower	Blue Ridge carrion-flower, Blue Ridge carrionflower, smilax	Forb	Perennial	Liliaceae	Monocot	Native
<i>Solidago nemoralis</i>	<i>Solidago nemoralis</i>	Aug Sep	Prairie dry, dune complex, savanna complex, foredune complex	No status		old field goldenrod	dyersweed goldenrod, gray goldenrod	Forb	Perennial	Asteraceae	Dicot	Native
<i>Sporobolus cryptandrus</i>	<i>Sporobolus cryptandrus</i>		Foredune complex, dist dry, savanna complex	No status		sand dropseed	sand dropseed	Graminoid	Perennial	Poaceae	Monocot	Native
<i>Triplasis purpurea</i>	<i>Triplasis purpurea</i>		Prairie dry, foredune complex, dune complex	No status		sand grass	purple sand grass, purple sandgrass	Graminoid	Annual	Poaceae	Monocot	Native

SOURCE: IDNR (2011); Wilhelm (1990)



## APPENDIX D8: WILDLIFE SPECIES OF CONSERVATION CONCERN

Species Name	Common Name	Federal	State	INDU Locations/Notes
<b>Amphibians</b>				
<i>Acris crepitans crepitans</i>	Northern cricket frog		SSC	marshes/streams/lakes
<i>Ambystoma laterale</i>	Blue-spotted salamander		SSC	woodlands with sandy soil
<i>Hemidactylium scutatum</i>	Four-toed salamander		SE	bogs/woodland ponds/swamps
<i>Necturus maculosus maculosus</i>	Common mudpuppy		SSC	large lakes and streams
<i>Lethobates pipiens</i>	Northern leopard frog		SSC	bogs/marshes/shallow ponds
<b>Reptiles</b>				
<i>Clemmys guttata</i>	Spotted turtle		SE	marshes/bogs/lakes/wooded ponds
<i>Clonophis kirtlandii</i>	Kirtlands's snake		SE	wet grassy areas along wetlands
<i>Emydoidea blandingii</i>	Blanding's turtle		SE	primary aquatic/marsh
<i>Opheodrys vernalis</i>	Smooth green snake		SE	sandy oak woods/tall grass prairie
<i>Sistrurus catenatus catenatus</i>	Eastern massasauga	C	SE	marshes/fens/lake margins/dry prairie/old fields/swamp
<i>Thamnophis proximus proximus</i>	Western ribbon snake		SSC	wetlands
<b>Mammals</b>				
<i>Condylura cristata cristata</i>	Star-nosed mole		SSC	bog/fen/other wetlands (muck lands)
<i>Lasionycteris notivagans</i>	Silver-haired bat		SSC	roosts in cracks of trees/forages over water
<i>Lasiurus borealis</i>	Red bat		SSC	roosts in foliage of trees/forges in open habitats
<i>Lasiurus cinereus</i>	Hoary bat	No Status	SSC	roosts in foliage of trees/forges in open habitats
<i>Lontra canadensis canadensis</i>	River otter		SSC	large lakes and streams
<i>Lynx rufus rufus</i>	Bobcat	No Status	SSC	mixed habitats
<i>Mustela nivalis rixosa</i>	Least weasel		SSC	woods/grasslands/hedgerows/pond edges
<i>Myotis lucifugus</i>	Little brown myotis		SSC	roosts in buildings and hollow trees/forages over water
<i>Myotis septentrionalis</i>	Northern myotis		SSC	roosts in cracks and under bark in trees/forages in woodlots

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Species Name	Common Name	Federal	State	INDU Locations/Notes
<i>Myotis sodalis</i>	Indiana myotis	LE	SE	roosts in cracks and under bark in trees/forages at edge of woodlots
<i>Nycticeius humeralis</i>	Evening bat		SE	roosts in buildings and hollow trees/forages in woodlots and open habitats
<i>Pipistrellus subflavus</i>	Tricolored bat		SSC	roosts in buildings and tree foliage/forages in woodlots and open habitats
<i>Sorex hoyi hoyi</i>	Pygmy shrew		SSC	bogs/marshes/hardwood forest (must have moist soils)
<i>Spermophilus franklinii</i>	Franklin's ground squirrel		SE	open areas with cover (Savanna?)
<i>Taxidea taxus jacksoni</i>	Badger		SSC	blowouts/prairie/farmland

SOURCE: IDNR (2011)

Notes:

- C = candidate species for federal listing
- LE = federally listed endangered
- SE = state endangered
- SSC = species of special concern

## APPENDIX D9: BIRD SPECIES OF CONSERVATION CONCERN

Species Name	Common Name	Federal	State	INDU Locations/ Notes
<i>Botaurus lentiginosus</i>	American Bittern		SE	
<i>Ixobrychus exilis</i>	Least Bittern		SE	
<i>Ardea alba</i>	Great Egret		SSC	
<i>Nycticorax nycticorax</i>	Black-crn Night-Heron		SE	
<i>Nyctanassa violacea</i>	Yellow-crn Night-Heron		SE	
<i>Pandion haliaetus</i>	Osprey		SE	
<i>Haliaeetus leucocephalus</i>	Bald Eagle	LT,PDL	SE	
<i>Circus cyaneus</i>	Northern Harrier		SE	
<i>Buteo lineatus</i>	Red-shouldered Hawk		SSC	
<i>Buteo platypterus</i>	Broad-winged Hawk	No Status	SSC	
<i>Falco peregrinus anatum</i>	Peregrine Falcon	No Status	SE	
<i>Rallus elegans</i>	King Rail		SE	
<i>Rallus limicola</i>	Virginia Rail		SE	
<i>Gallinula chloropus</i>	Common Moorhen	No Status	SE	
<i>Grus Canadensis</i>	Sandhill Crane	No Status	SSC	
<i>Charadrius melodus circumcinctus</i>	Piping Plover	LE	SE	
<i>Bartramia longicauda</i>	Upland Sandpiper		SE	
<i>Phalaropus tricolor</i>	Wilson's Phalarope		SSC	
<i>Chidonias niger</i>	Black Tern		SE	
<i>Tyto alba pratincola</i>	Barn Owl		SE	
<i>Lanius ludovicianus</i>	Loggerhead Shrike	No Status	SE	Has many subspecies
<i>Cistothorus platnesis</i>	Sedge Wren		SE	Two subspecies
<i>Cistothorus palustris</i>	Marsh Wren		SE	Many subspecies
<i>Vermivora chrysoptera</i>	Golden-winged Warbler		SE	
<i>Dendroica cerulea</i>	Cerulean Warbler		SE	
<i>Wilsonia citrina</i>	Hooded Warbler		SSC	
<i>Ammodramus henslowii henslowii</i>	Henslow's Sparrow		SE	
<i>Sturnell neglecta</i>	Western Meadowlark		SSC	
<i>Xanthocephalus xanthocephalus</i>	Yellow-headed Blackbird		SE	

SOURCE: Brock (2011)

Notes:

LT = listed threatened species

PD = proposed for delisting

SE = state endangered

SSC = species of special concern

## APPENDIX D10: SUMMARY OF BENTHIC SPECIES IN LAKE MICHIGAN NEARSHORE

Taxa	Common Name	Native Species	Invasive Species	Habitat type
Turbellaria	Planarians	X		On substrate, under rocks, debris
Nematoda	Roundworms	X		On substrate and debris, within interstitial spaces of granular substrate
Bivalvia	Clams			See below
Sphaeriidae	Fingernail clams	X		On and in granular substrate
Dreissenoidea	–	X		See below
<i>Dreissena polymorpha</i>	Zebra Mussels		X	Attached to solid substrate
<i>Dreissena bugensis</i>	Quagga mussels		X	Attached to solid substrate
Oligochaeta	Segmented aquatic worms/sludge worms			Within interstitial spaces of granular substrate
Aeolosomatidae	–	X		
Enchytraeidae	–	X		
Lumbriculidae	–	X		
<i>Stylodrilus heringianus</i>	–	X		
Tubificidae	–			
<i>Aulodrilus americanus</i>	–	X		
<i>A. limnobius</i>	–	X		
<i>A. pluriseta</i>	–	X		
<i>Ilyocypris freyi</i>	–	X		
<i>I. templetoni</i>	–	X		
<i>Limnodrilus cervix</i>	–	X		
<i>L. claparadianus</i>	–	X		
<i>L. hoffmeisteri</i>	–	X		
<i>L. spiralis</i>	–	X		
<i>L. udekemianus</i>	–	X		
<i>Opisthonais serpentina</i>	–	X		
<i>Potamothenis moldaviensis</i>	–	X		
<i>P. vejdvskyi moldaviensis</i>	–	X		
<i>Quistodrilus multisetosus</i>	–	X		
<i>Rhyacodrilus coccineus</i>	–	X		
<i>Spirosperma ferox</i>	–	X		
<i>S. nikolskyi</i>	–	X		
<i>Tubifex ignotus</i>	–	X		
<i>T. americanus</i>	–	X		
<i>T. Tubifex</i>	–	X		

Appendix D10: Summary of Benthic Species in Lake Michigan Nearshore

Taxa	Common Name	Native Species	Invasive Species	Habitat type
<i>T. superioensis</i>	–	X		
<i>Variechaetidrilus augustipenis</i>	–	X		
Naididae	–			
<i>Amphichaeta leydigi</i>	–	X		
<i>Chaetogaster diastrophus</i>	–	X		
<i>Nais variabilis</i>	–	X		
<i>Paranais frici</i>	–	X		
<i>Piguetiella blanci</i>	–	X		
<i>Piguetiella michiganensis</i>	–	X		
<i>Uncinaiis uncinata</i>	–	X		
<i>Vejdovskyella intermedia</i>	–	X		
Hirudinea	Leeches	X		
Tardigrada	Water bears			Within interstitial spaces of the substrate
<i>Dactylobiotus sp.</i>	–	X		
Acari	Aquatic mites	X		
Crustacea	Crustaceans			On and in sandy substrates, algal mats, debris and mud
Ostracoda	Seed shrimp	X		
Amphipoda	Scuds, sideswimmers			On and in granular substrates
<i>Diporeia sp.</i>	–	X		
Decapoda	Crayfish, shrimp			Within and on cobble substrate
<i>Orconectes rusticus</i>	Rusty crayfish		X	
Copepoda	Copepods			On and in granular substrate
<i>Eurytemora affinis</i>	–	X		
<i>Acanthocyclops brevispinosus</i>	–	X		
<i>Diacyclops nanus</i>	–	X		
<i>Eucyclops agilis</i>	–	X		
<i>Canthocampus robertcookeri</i>	–	X		
<i>Heteropsyllus sp.</i>	–	X		
<i>Heteropsyllus nr. nunni</i>	–		X	
<i>Nitokra hibernica</i>	–	X		
<i>Paracyclops chiltoni</i>	–	X		
<i>Schizopera borutskyi</i>	–		X	
Cladocera	Water fleas			On vegetation or organic material; some species free-living in the water column
<i>Alona sp.</i>	–	X		
<i>Bythotrephes longimanus</i>	Spiny waterflea		X	

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Taxa	Common Name	Native Species	Invasive Species	Habitat type
<i>Cercopagis pengoi</i>	Fishhook waterflea		X	
<i>Graptoleberis sp.</i>	–	X		
<i>Monospilus sp.</i>	–	X		
Diptera	Flies, mosquitoes, midges			
Chironomidae	Midges	X		Live in and on the substrate
<i>Axarus spp.</i>	–	X		
<i>Chironomus sp.</i>	–	X		
<i>Cladotanytarsus sp.</i>	–	X		
<i>Cryptotanytarsus sp.</i>	–	X		
<i>Monodiamesa sp.</i>	–	X		
<i>Orthocladius/Cricotopus sp.</i>	–	X		
<i>Paracladopelma sp.</i>	–	X		
<i>Psectrocladius sp.</i>	–	X		
<i>Tanytarsus sp.</i>	–	X		

Source: Last et al. (1995)